

SEQUENCE LISTING

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<120> METHODS OF DIAGNOSING CERVICAL CANCER

<130> VITA-008

<150> 60/409,298  
<151> 2002-09-09

<150> 60/450,464  
<151> 2003-02-27

<150> US 02/24655  
<151> 2002-08-02

<150> 60/309,841  
<151> 2001-08-03

<150> 60/360,061  
<151> 2002-02-25

<150> 10/080,273  
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<150> 60/269,523  
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<150> 09/710,059  
<151> 2000-11-10

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<170> FastSEQ for Windows Version 4.0

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Arg Asp Met Ala Glu Ala His Lys Glu Ala Met Ser Arg Lys Leu Gly  
1 5 10 15  
Gln Ser Glu Ser Gln Gly Pro Pro Arg Ala Phe Ala Lys Val Asn Ser  
20 25 30  
Ile Ser Pro Gly Ser Pro Ser Ile Ala Gly Leu Gln Val Asp Asp Glu  
35 40 45  
Ile Val Glu Phe Gly Ser Val Asn Thr Gln Asn Phe Gln Ser Leu His  
50 55 60  
Asn Ile Gly Ser Val Val Gln His Ser Glu Gly Ala Leu Ala Pro Thr  
65 70 75 80  
Ile Leu Leu Ser Val Ser Met  
85

<210> 2  
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<213> Homo sapiens

<400> 2  
Leu Arg Lys Glu Pro Glu Ile Ile Thr Val Thr Leu Lys Lys Gln Asn  
1 5 10 15  
Gly Met Gly Leu Ser Ile Val Ala Ala Lys Gly Ala Gly Gln Asp Lys  
20 25 30  
Leu Gly Ile Tyr Val Lys Ser Val Val Lys Gly Gly Ala Ala Asp Val  
35 40 45  
Asp Gly Arg Leu Ala Ala Gly Asp Gln Leu Leu Ser Val Asp Gly Arg  
50 55 60  
Ser Leu Val Gly Leu Ser Gln Glu Arg Ala Ala Glu Leu Met Thr Arg  
65 70 75 80  
Thr Ser Ser Val Val Thr Leu Glu Val Ala Lys Gln Gly  
85 90

<210> 3  
<211> 105  
<212> PRT  
<213> Homo sapiens

<400> 3  
Leu Ile Arg Pro Ser Val Ile Ser Ile Ile Gly Leu Tyr Lys Glu Lys  
1 5 10 15  
Gly Lys Gly Leu Gly Phe Ser Ile Ala Gly Gly Arg Asp Cys Ile Arg  
20 25 30  
Gly Gln Met Gly Ile Phe Val Lys Thr Ile Phe Pro Asn Gly Ser Ala  
35 40 45  
Ala Glu Asp Gly Arg Leu Lys Glu Gly Asp Glu Ile Leu Asp Val Asn  
50 55 60  
Gly Ile Pro Ile Lys Gly Leu Thr Phe Gln Glu Ala Ile His Thr Phe  
65 70 75 80  
Lys Gln Ile Arg Ser Gly Leu Phe Val Leu Thr Val Arg Thr Lys Leu  
85 90 95  
Val Ser Pro Ser Leu Thr Asn Ser Ser  
100 105

<210> 4  
<211> 132  
<212> PRT  
<213> Homo sapiens

<400> 4  
Gly Ile Ser Ser Leu Gly Arg Lys Thr Pro Gly Pro Lys Asp Arg Ile  
1 5 10 15  
Val Met Glu Val Thr Leu Asn Lys Glu Pro Arg Val Gly Leu Gly Ile  
20 25 30  
Gly Ala Cys Cys Leu Ala Leu Glu Asn Ser Pro Pro Gly Ile Tyr Ile  
35 40 45  
His Ser Leu Ala Pro Gly Ser Val Ala Lys Met Glu Ser Asn Leu Ser  
50 55 60  
Arg Gly Asp Gln Ile Leu Glu Val Asn Ser Val Asn Val Arg His Ala  
65 70 75 80  
Ala Leu Ser Lys Val His Ala Ile Leu Ser Lys Cys Pro Pro Gly Pro

	85		90		95										
Val	Arg	Leu	Val	Ile	Gly	Arg	His	Pro	Asn	Pro	Lys	Val	Ser	Glu	Gln
			100				105					110			
Glu	Met	Asp	Glu	Val	Ile	Ala	Arg	Ser	Thr	Tyr	Gln	Glu	Ser	Lys	Glu
				115				120				125			
Ala	Asn	Ser	Ser												
				130											

<210> 5  
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	400		5												
Gln	Ser	Glu	Asn	Glu	Glu	Asp	Val	Cys	Phe	Ile	Val	Leu	Asn	Arg	Lys
1				5				10					15		
Glu	Gly	Ser	Gly	Leu	Gly	Phe	Ser	Val	Ala	Gly	Gly	Thr	Asp	Val	Glu
				20			25					30			
Pro	Lys	Ser	Ile	Thr	Val	His	Arg	Val	Phe	Ser	Gln	Gly	Ala	Ala	Ser
				35			40					45			
Gln	Glu	Gly	Thr	Met	Asn	Arg	Gly	Asp	Phe	Leu	Leu	Ser	Val	Asn	Gly
				50			55				60				
Ala	Ser	Leu	Ala	Gly	Leu	Ala	His	Gly	Asn	Val	Leu	Lys	Val	Leu	His
65				70				75				80			
Gln	Ala	Gln	Leu	His	Lys	Asp	Ala	Leu	Val	Val	Ile	Lys	Lys	Gly	Met
				85				90				95			
Asp	Gln	Pro	Arg	Pro	Ser	Asn	Ser	Ser							
				100				105							

<210> 6  
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 <213> Homo sapiens

	400		6												
Leu	Gly	Arg	Ser	Val	Ala	Val	His	Asp	Ala	Leu	Cys	Val	Glu	Val	Leu
1				5				10				15			
Lys	Thr	Ser	Ala	Gly	Leu	Gly	Leu	Ser	Leu	Asp	Gly	Gly	Lys	Ser	Ser
				20			25				30				
Val	Thr	Gly	Asp	Gly	Pro	Leu	Val	Ile	Lys	Arg	Val	Tyr	Lys	Gly	Gly
				35			40				45				
Ala	Ala	Glu	Gln	Ala	Gly	Ile	Ile	Glu	Ala	Gly	Asp	Glu	Ile	Leu	Ala
50				55				60							
Ile	Asn	Gly	Lys	Pro	Leu	Val	Gly	Leu	Met	His	Phe	Asp	Ala	Trp	Asn
65				70				75				80			
Ile	Met	Lys	Ser	Val	Pro	Glu	Gly	Pro	Val	Gln	Leu	Leu	Ile	Arg	Lys
				85			90				95				
His	Arg	Asn	Ser	Ser											
				100											

<210> 7  
 <211> 74  
 <212> PRT  
 <213> Homo sapiens

	400		7												
Gln	Thr	Val	Ile	Leu	Pro	Gly	Pro	Ala	Ala	Trp	Gly	Phe	Arg	Leu	Ser

1 5 10 15  
Gly Gly Ile Asp Phe Asn Gln Pro Leu Val Ile Thr Arg Ile Thr Pro  
20 25 30  
Gly Ser Lys Ala Ala Ala Asn Leu Cys Pro Gly Asp Val Ile Leu  
35 40 45  
Ala Ile Asp Gly Phe Gly Thr Glu Ser Met Thr His Ala Asp Gly Gln  
50 55 60  
Asp Arg Ile Lys Ala Ala Glu Phe Ile Val  
65 70

<210> 8  
<211> 85  
<212> PRT  
<213> Homo sapiens

<400> 8  
Ile Leu Val Glu Val Gln Leu Ser Gly Gly Ala Pro Trp Gly Phe Thr  
1 5 10 15  
Leu Lys Gly Gly Arg Glu His Gly Glu Pro Leu Val Ile Thr Lys Ile  
20 25 30  
Glu Glu Gly Ser Lys Ala Ala Ala Val Asp Lys Leu Leu Ala Gly Asp  
35 40 45  
Glu Ile Val Gly Ile Asn Asp Ile Gly Leu Ser Gly Phe Arg Gln Glu  
50 55 60  
Ala Ile Cys Leu Val Lys Gly Ser His Lys Thr Leu Lys Leu Val Val  
65 70 75 80  
Lys Arg Asn Ser Ser  
85

<210> 9  
<211> 104  
<212> PRT  
<213> Homo sapiens

<400> 9  
Arg Glu Lys Pro Leu Phe Thr Arg Asp Ala Ser Gln Leu Lys Gly Thr  
1 5 10 15  
Phe Leu Ser Thr Thr Leu Lys Lys Ser Asn Met Gly Phe Gly Phe Thr  
20 25 30  
Ile Ile Gly Gly Asp Glu Pro Asp Glu Phe Leu Gln Val Lys Ser Val  
35 40 45  
Ile Pro Asp Gly Pro Ala Ala Gln Asp Gly Lys Met Glu Thr Gly Asp  
50 55 60  
Val Ile Val Tyr Ile Asn Glu Val Cys Val Leu Gly His Thr His Ala  
65 70 75 80  
Asp Val Val Lys Leu Phe Gln Ser Val Pro Ile Gly Gln Ser Val Asn  
85 90 95  
Leu Val Leu Cys Arg Gly Tyr Pro  
100

<210> 10  
<211> 91  
<212> PRT  
<213> Homo sapiens

<400> 10  
Leu Ser Gly Ala Thr Gln Ala Glu Leu Met Thr Leu Thr Ile Val Lys

1	5	10	15
Gly Ala Gln Gln	Gly Phe Gly Phe	Thr Ile Ala Asp Ser	Pro Thr Gly Gln
20	25	30	
Arg Val Lys Gln	Ile Leu Asp Ile	Gln Gly Cys Pro	Gly Leu Cys Glu
35	40	45	
Gly Asp Leu Ile	Val Glu Ile Asn Gln	Gln Asn Val Gln	Asn Leu Ser
50	55	60	
His Thr Glu Val	Val Asp Ile Leu Lys	Asp Cys Pro	Ile Gly Ser Glu
65	70	75	80
Thr Ser Leu Ile	Ile His Arg Gly	Gly Phe Phe	
85		90	

<210> 11  
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 <212> PRT  
 <213> Homo sapiens

<400> 11			
His Tyr Lys Glu Leu Asp Val	His Leu Arg Arg Met	Glu Ser Gly Phe	
1	5	10	15
Gly Phe Arg Ile Leu Gly	Gly Asp Glu Pro	Gly Gln Pro	Ile Leu Ile
20	25	30	
Gly Ala Val Ile Ala Met	Gly Ser Ala Asp Arg	Asp Gly Arg	Leu His
35	40	45	
Pro Gly Asp Glu Leu Val	Tyr Val Asp Gly	Ile Pro Val Ala	Gly Lys
50	55	60	
Thr His Arg Tyr Val Ile	Asp Leu Met His His	Ala Ala Arg Asn	Gly
65	70	75	80
Gln Val Asn Leu Thr Val	Arg Arg Lys Val Leu	Cys Gly	
85	90		

<210> 12  
 <211> 106  
 <212> PRT  
 <213> Homo sapiens

<400> 12			
Glu Gly Arg Gly Ile Ser Ser	His Ser Leu Gln Thr Ser Asp	Ala Val	
1	5	10	15
Ile His Arg Lys Glu Asn Glu	Gly Phe Gly Phe Val	Ile Ile Ser Ser	
20	25	30	
Leu Asn Arg Pro Glu Ser Gly	Ser Thr Ile Thr Val	Pro His Lys Ile	
35	40	45	
Gly Arg Ile Ile Asp Gly	Ser Pro Ala Asp Arg	Cys Ala Lys Leu	Lys
50	55	60	
Val Gly Asp Arg Ile Leu	Ala Val Asn Gly	Gln Ser Ile Ile Asn	Met
65	70	75	80
Pro His Ala Asp Ile Val	Lys Leu Ile Lys	Asp Ala Gly Leu	Ser Val
85	90	95	
Thr Leu Arg Ile Ile Pro	Gln Glu Leu		
100	105		

<210> 13  
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 <212> PRT  
 <213> Homo sapiens

<400> 13

Leu	Ser	Asp	Tyr	Arg	Gln	Pro	Gln	Asp	Phe	Asp	Tyr	Phe	Thr	Val	Asp
1				5					10					15	
Met	Glu	Lys	Gly	Ala	Lys	Gly	Phe	Gly	Phe	Ser	Ile	Arg	Gly	Gly	Arg
				20				25					30		
Glu	Tyr	Lys	Met	Asp	Leu	Tyr	Val	Leu	Arg	Leu	Ala	Glu	Asp	Gly	Pro
				35				40				45			
Ala	Ile	Arg	Asn	Gly	Arg	Met	Arg	Val	Gly	Asp	Gln	Ile	Ile	Glu	Ile
				50			55				60				
Asn	Gly	Glu	Ser	Thr	Arg	Asp	Met	Thr	His	Ala	Arg	Ala	Ile	Glu	Leu
				65			70			75			80		
Ile	Lys	Ser	Gly	Gly	Arg	Arg	Val	Arg	Leu	Leu	Leu	Lys	Arg	Gly	Thr
				85				90				95			
Gly	Gln														

<210> 14

<211> 90

<212> PRT

<213> Homo sapiens

<400> 14

His	Glu	Ser	Val	Ile	Gly	Arg	Asn	Pro	Glu	Gly	Gln	Leu	Gly	Phe	Glu
1				5					10				15		
Leu	Lys	Gly	Gly	Ala	Glu	Asn	Gly	Gln	Phe	Pro	Tyr	Leu	Gly	Glu	Val
				20				25				30			
Lys	Pro	Gly	Lys	Val	Ala	Tyr	Glu	Ser	Gly	Ser	Lys	Leu	Val	Ser	Glu
				35			40				45				
Glu	Leu	Leu	Leu	Glu	Val	Asn	Glu	Thr	Pro	Val	Ala	Gly	Leu	Thr	Ile
				50			55			60					
Arg	Asp	Val	Leu	Ala	Val	Ile	Lys	His	Cys	Lys	Asp	Pro	Leu	Arg	Leu
				65			70			75			80		
Lys	Cys	Val	Lys	Gln	Gly	Gly	Ile	His	Arg						
				85			90								

<210> 15

<211> 126

<212> PRT

<213> Homo sapiens

<400> 15

Asn	Leu	Met	Phe	Arg	Lys	Phe	Ser	Leu	Glu	Arg	Pro	Phe	Arg	Pro	Ser
1				5					10			15			
Val	Thr	Ser	Val	Gly	His	Val	Arg	Gly	Pro	Gly	Pro	Ser	Val	Gln	His
				20				25				30			
Thr	Thr	Leu	Asn	Gly	Asp	Ser	Leu	Thr	Ser	Gln	Leu	Thr	Leu	Leu	Gly
				35			40				45				
Gly	Asn	Ala	Arg	Gly	Ser	Phe	Val	His	Ser	Val	Lys	Pro	Gly	Ser	Leu
				50			55			60					
Ala	Glu	Lys	Ala	Gly	Leu	Arg	Glu	Gly	His	Gln	Leu	Leu	Leu	Glu	
				65			70			75			80		
Gly	Cys	Ile	Arg	Gly	Glu	Arg	Gln	Ser	Val	Pro	Leu	Asp	Thr	Cys	Thr
				85			90				95				
Lys	Glu	Glu	Ala	His	Trp	Thr	Ile	Gln	Arg	Cys	Ser	Gly	Pro	Val	Thr
				100			105				110				
Leu	His	Tyr	Lys	Val	Asn	His	Glu	Gly	Tyr	Arg	Lys	Leu	Val		
				115			120				125				

<210> 16  
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<213> Homo sapiens

<400> 16  
Ile Leu Ser Gln Val Thr Met Leu Ala Phe Gln Gly Asp Ala Leu Leu  
1 5 10 15  
Glu Gln Ile Ser Val Ile Gly Gly Asn Leu Thr Gly Ile Phe Ile His  
20 25 30  
Arg Val Thr Pro Gly Ser Ala Ala Asp Gln Met Ala Leu Arg Pro Gly  
35 40 45  
Thr Gln Ile Val Met Val Asp Tyr Glu Ala Ser Glu Pro Leu Phe Lys  
50 55 60  
Ala Val Leu Glu Asp Thr Thr Leu Glu Glu Ala Val Gly Leu Leu Arg  
65 70 75 80  
Arg Val Asp Gly Phe Cys Cys Leu Ser Val Lys Val Asn Thr Asp Gly  
85 90 95  
Tyr Lys Arg Leu  
100

<210> 17  
<211> 90  
<212> PRT  
<213> Homo sapiens

<400> 17  
Thr Arg Val Arg Leu Val Gln Phe Gln Lys Asn Thr Asp Glu Pro Met  
1 5 10 15  
Gly Ile Thr Leu Lys Met Asn Glu Leu Asn His Cys Ile Val Ala Arg  
20 25 30  
Ile Met His Gly Gly Met Ile His Arg Gln Gly Thr Leu His Val Gly  
35 40 45  
Asp Glu Ile Arg Glu Ile Asn Gly Ile Ser Val Ala Asn Gln Thr Val  
50 55 60  
Glu Gln Leu Gln Lys Met Leu Arg Glu Met Arg Gly Ser Ile Thr Phe  
65 70 75 80  
Lys Ile Val Pro Ser Tyr Arg Thr Gln Ser  
85 90

<210> 18  
<211> 88  
<212> PRT  
<213> Homo sapiens

<400> 18  
Leu Glu Gln Lys Ala Val Leu Glu Gln Val Gln Leu Asp Ser Pro Leu  
1 5 10 15  
Gly Leu Glu Ile His Thr Thr Ser Asn Cys Gln His Phe Val Ser Gln  
20 25 30  
Val Asp Thr Gln Val Pro Thr Asp Ser Arg Leu Gln Ile Gln Pro Gly  
35 40 45  
Asp Glu Val Val Gln Ile Asn Glu Gln Val Val Val Gly Trp Pro Arg  
50 55 60  
Lys Asn Met Val Arg Glu Leu Leu Arg Glu Pro Ala Gly Leu Ser Leu  
65 70 75 80  
Val Leu Lys Lys Ile Pro Ile Pro

<210> 19  
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 <213> Homo sapiens

<400> 19  
 Gln Arg Lys Leu Val Thr Val Glu Lys Gln Asp Asn Glu Thr Phe Gly  
 1 5 10 15  
 Phe Glu Ile Gln Ser Tyr Arg Pro Gln Asn Gln Asn Ala Cys Ser Ser  
 20 25 30  
 Glu Met Phe Thr Leu Ile Cys Lys Ile Gln Glu Asp Ser Pro Ala His  
 35 40 45  
 Cys Ala Gly Leu Gln Ala Gly Asp Val Leu Ala Asn Ile Asn Gly Val  
 50 55 60  
 Ser Thr Glu Gly Phe Thr Tyr Lys Gln Val Val Asp Leu Ile Arg Ser  
 65 70 75 80  
 Ser Gly Asn Leu Leu Thr Ile Glu Thr Leu Asn Gly  
 85 90

<210> 20  
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<400> 20  
 Arg Cys Leu Ile Gln Thr Lys Gly Gln Arg Ser Met Asp Gly Tyr Pro  
 1 5 10 15  
 Glu Gln Phe Cys Val Arg Ile Glu Lys Asn Pro Gly Leu Gly Phe Ser  
 20 25 30  
 Ile Ser Gly Ile Ser Gly Gln Gly Asn Pro Phe Lys Pro Ser Asp  
 35 40 45  
 Lys Gly Ile Phe Val Thr Arg Val Gln Pro Asp Gly Pro Ala Ser Asn  
 50 55 60  
 Leu Leu Gln Pro Gly Asp Lys Ile Leu Gln Ala Asn Gly His Ser Phe  
 65 70 75 80  
 Val His Met Glu His Glu Lys Ala Val Leu Leu Leu Lys Ser Phe Gln  
 85 90 95  
 Asn Thr Val Asp Leu Val Ile Gln Arg Glu Leu Thr Val  
 100 105

<210> 21  
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 <212> PRT  
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<400> 21  
 Ile Gln Val Asn Gly Thr Asp Ala Asp Tyr Glu Tyr Glu Glu Ile Thr  
 1 5 10 15  
 Leu Glu Arg Gly Asn Ser Gly Leu Gly Phe Ser Ile Ala Gly Thr  
 20 25 30  
 Asp Asn Pro His Ile Gly Asp Asp Ser Ser Ile Phe Ile Thr Lys Ile  
 35 40 45  
 Ile Thr Gly Gly Ala Ala Ala Gln Asp Gly Arg Leu Arg Val Asn Asp  
 50 55 60  
 Cys Ile Leu Gln Val Asn Glu Val Asp Val Arg Asp Val Thr His Ser

65 70 75 80  
Lys Ala Val Glu Ala Leu Lys Glu Ala Gly Ser Ile Val Arg Leu Tyr  
85 90 95  
Val Lys Arg Arg Asn  
100

<210> 22  
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<213> Homo sapiens

<400> 22  
Ile Gln Leu Ile Lys Gly Pro Lys Gly Leu Gly Phe Ser Ile Ala Gly  
1 5 10 15  
Gly Val Gly Asn Gln His Ile Pro Gly Asp Asn Ser Ile Tyr Val Thr  
20 25 30  
Lys Ile Ile Glu Gly Gly Ala Ala His Lys Asp Gly Lys Leu Gln Ile  
35 40 45  
Gly Asp Lys Leu Leu Ala Val Asn Asn Val Cys Leu Glu Glu Val Thr  
50 55 60  
His Glu Glu Ala Val Thr Ala Leu Lys Asn Thr Ser Asp Phe Val Tyr  
65 70 75 80  
Leu Lys Val Ala Lys Pro Thr Ser Met Tyr Met Asn Asp Gly Asn  
85 90 95

<210> 23  
<211> 85  
<212> PRT  
<213> Homo sapiens

<400> 23  
Ile Leu His Arg Gly Ser Thr Gly Leu Gly Phe Asn Ile Val Gly Gly  
1 5 10 15  
Glu Asp Gly Glu Gly Ile Phe Ile Ser Phe Ile Leu Ala Gly Gly Pro  
20 25 30  
Ala Asp Leu Ser Gly Glu Leu Arg Lys Gly Asp Arg Ile Ile Ser Val  
35 40 45  
Asn Ser Val Asp Leu Arg Ala Ala Ser His Glu Gln Ala Ala Ala Ala  
50 55 60  
Leu Lys Asn Ala Gly Gln Ala Val Thr Ile Val Ala Gln Tyr Arg Pro  
65 70 75 80  
Glu Glu Tyr Ser Arg  
85

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<400> 24  
Ile Ser Tyr Val Asn Gly Thr Glu Ile Glu Tyr Glu Phe Glu Glu Ile  
1 5 10 15  
Thr Leu Glu Arg Gly Asn Ser Gly Leu Gly Phe Ser Ile Ala Gly Gly  
20 25 30  
Thr Asp Asn Pro His Ile Gly Asp Asp Pro Gly Ile Phe Ile Thr Lys  
35 40 45  
Ile Ile Pro Gly Gly Ala Ala Ala Glu Asp Gly Arg Leu Arg Val Asn

50	55	60	
Asp Cys Ile Leu Arg Val Asn Glu Val Asp Val Ser Glu Val Ser His			
65	70	75	80
Ser Lys Ala Val Glu Ala Leu Lys Glu Ala Gly Ser Ile Val Arg Leu			
85	90		95
Tyr Val Arg Arg Arg			
100			

<210> 25  
<211> 94  
<212> PRT  
<213> Homo sapiens

<400> 25			
Ile Ser Val Val Glu Ile Lys Leu Phe Lys Gly Pro Lys Gly Leu Gly			
1	5	10	15
Phe Ser Ile Ala Gly Gly Val Gly Asn Gln His Ile Pro Gly Asp Asn			
20	25	30	
Ser Ile Tyr Val Thr Lys Ile Ile Asp Gly Gly Ala Ala Gln Lys Asp			
35	40	45	
Gly Arg Leu Gln Val Gly Asp Arg Leu Leu Met Val Asn Asn Tyr Ser			
50	55	60	
Leu Glu Glu Val Thr His Glu Glu Ala Val Ala Ile Leu Lys Asn Thr			
65	70	75	80
Ser Glu Val Val Tyr Leu Lys Val Gly Asn Pro Thr Thr Ile			
85	90		

<210> 26  
<211> 95  
<212> PRT  
<213> Homo sapiens

<400> 26			
Ile Trp Ala Val Ser Leu Glu Gly Glu Pro Arg Lys Val Val Leu His			
1	5	10	15
Lys Gly Ser Thr Gly Leu Gly Phe Asn Ile Val Gly Gly Glu Asp Gly			
20	25	30	
Glu Gly Ile Phe Val Ser Phe Ile Leu Ala Gly Gly Pro Ala Asp Leu			
35	40	45	
Ser Gly Glu Leu Gln Arg Gly Asp Gln Ile Leu Ser Val Asn Gly Ile			
50	55	60	
Asp Leu Arg Gly Ala Ser His Glu Gln Ala Ala Ala Leu Lys Gly			
65	70	75	80
Ala Gly Gln Thr Val Thr Ile Ile Ala Gln Tyr Gln Pro Glu Asp			
85	90	95	

<210> 27  
<211> 102  
<212> PRT  
<213> Homo sapiens

<400> 27			
Gly Ile Pro Tyr Val Glu Glu Pro Arg His Val Lys Val Gln Lys Gly			
1	5	10	15
Ser Glu Pro Leu Gly Ile Ser Ile Val Ser Gly Glu Lys Gly Gly Ile			
20	25	30	
Tyr Val Ser Lys Val Thr Val Gly Ser Ile Ala His Gln Ala Gly Leu			

35	40	45													
Glu	Tyr	Gly	Asp	Gln	Leu	Leu	Glu	Phe	Asn	Gly	Ile	Asn	Leu	Arg	Ser
50							55					60			
Ala	Thr	Glu	Gln	Gln	Ala	Arg	Leu	Ile	Ile	Gly	Gln	Gln	Cys	Asp	Thr
65							70				75			80	
Ile	Thr	Ile	Leu	Ala	Gln	Tyr	Asn	Pro	His	Val	His	Gln	Leu	Arg	Asn
							85			90			95		
Ser	Ser	Glx	Leu	Thr	Asp										
						100									

<210> 28

<211> 103

<212> PRT

<213> Homo sapiens

<400> 28

Gly	Ile	Leu	Ala	Gly	Asp	Ala	Asn	Lys	Lys	Thr	Leu	Glu	Pro	Arg	Val
1				5				10					15		
Val	Phe	Ile	Lys	Lys	Ser	Gln	Leu	Glu	Leu	Gly	Val	His	Leu	Cys	Gly
							20		25			30			
Gly	Asn	Leu	His	Gly	Val	Phe	Val	Ala	Glu	Val	Glu	Asp	Asp	Ser	Pro
						35		40			45				
Ala	Lys	Gly	Pro	Asp	Gly	Leu	Val	Pro	Gly	Asp	Leu	Ile	Leu	Glu	Tyr
	50					55				60					
Gly	Ser	Leu	Asp	Val	Arg	Asn	Lys	Thr	Val	Glu	Glu	Val	Tyr	Val	Glu
65						70			75			80			
Met	Leu	Lys	Pro	Arg	Asp	Gly	Val	Arg	Leu	Lys	Val	Gln	Tyr	Arg	Pro
						85			90			95			
Glu	Glu	Phe	Ile	Val	Thr	Asp									
						100									

<210> 29

<211> 141

<212> PRT

<213> Homo sapiens

<400> 29

Pro	Thr	Ser	Pro	Glu	Ile	Gln	Glu	Leu	Arg	Gln	Met	Leu	Gln	Ala	Pro
1				5				10			15				
His	Phe	Lys	Ala	Leu	Leu	Ser	Ala	His	Asp	Thr	Ile	Ala	Gln	Lys	Asp
						20		25			30				
Phe	Glu	Pro	Leu	Leu	Pro	Pro	Leu	Pro	Asp	Asn	Ile	Pro	Glu	Ser	Glu
						35		40			45				
Glu	Ala	Met	Arg	Ile	Val	Cys	Leu	Val	Lys	Asn	Gln	Gln	Pro	Leu	Gly
						50		55			60				
Ala	Thr	Ile	Lys	Arg	His	Glu	Met	Thr	Gly	Asp	Ile	Leu	Val	Ala	Arg
65						70			75			80			
Ile	Ile	His	Gly	Gly	Leu	Ala	Glu	Arg	Ser	Gly	Leu	Leu	Tyr	Ala	Gly
						85			90			95			
Asp	Lys	Leu	Val	Glu	Val	Asn	Gly	Val	Ser	Val	Glu	Gly	Leu	Asp	Pro
						100		105			110				
Glu	Gln	Val	Ile	His	Ile	Leu	Ala	Met	Ser	Arg	Gly	Thr	Ile	Met	Phe
						115		120			125				
Lys	Val	Val	Pro	Val	Ser	Asp	Pro	Pro	Val	Asn	Ser	Ser			
						130		135			140				

<210> 30

<211> 97  
<212> PRT  
<213> Homo sapiens

<400> 30  
Pro Thr Ser Pro Glu Ile Gln Glu Leu Arg Gln Met Leu Gln Ala Pro  
1 5 10 15  
His Phe Lys Gly Ala Thr Ile Lys Arg His Glu Met Thr Gly Asp Ile  
20 25 30  
Leu Val Ala Arg Ile Ile His Gly Gly Leu Ala Glu Arg Ser Gly Leu  
35 40 45  
Leu Tyr Ala Gly Asp Lys Leu Val Glu Val Asn Gly Val Ser Val Glu  
50 55 60  
Gly Leu Asp Pro Glu Gln Val Ile His Ile Leu Ala Met Ser Arg Gly  
65 70 75 80  
Thr Ile Met Phe Lys Val Val Pro Val Ser Asp Pro Pro Val Asn Ser  
85 90 95  
Ser

<210> 31  
<211> 93  
<212> PRT  
<213> Homo sapiens

<400> 31  
Leu Asn Ile Val Thr Val Thr Leu Asn Met Glu Arg His His Phe Leu  
1 5 10 15  
Gly Ile Ser Ile Val Gly Gln Ser Asn Asp Arg Gly Asp Gly Gly Ile  
20 25 30  
Tyr Ile Gly Ser Ile Met Lys Gly Gly Ala Val Ala Ala Asp Gly Arg  
35 40 45  
Ile Glu Pro Gly Asp Met Leu Leu Gln Val Asn Asp Val Asn Phe Glu  
50 55 60  
Asn Met Ser Asn Asp Asp Ala Val Arg Val Leu Arg Glu Ile Val Ser  
65 70 75 80  
Gln Thr Gly Pro Ile Ser Leu Thr Val Ala Lys Cys Trp  
85 90

<210> 32  
<211> 100  
<212> PRT  
<213> Homo sapiens

<400> 32  
Leu Asn Ile Ile Thr Val Thr Leu Asn Met Glu Lys Tyr Asn Phe Leu  
1 5 10 15  
Gly Ile Ser Ile Val Gly Gln Ser Asn Glu Arg Gly Asp Gly Gly Ile  
20 25 30  
Tyr Ile Gly Ser Ile Met Lys Gly Gly Ala Val Ala Ala Asp Gly Arg  
35 40 45  
Ile Glu Pro Gly Asp Met Leu Leu Gln Val Asn Asp Met Asn Phe Glu  
50 55 60  
Asn Met Ser Asn Asp Asp Ala Val Arg Val Leu Arg Asp Ile Val His  
65 70 75 80  
Lys Pro Gly Pro Ile Val Leu Thr Val Ala Lys Cys Trp Asp Pro Ser  
85 90 95  
Pro Gln Asn Ser

<210> 33  
 <211> 95  
 <212> PRT  
 <213> Homo sapiens

<400> 33  
 Ile Ile Thr Val Thr Leu Asn Met Glu Lys Tyr Asn Phe Leu Gly Ile  
 1 5 10 15  
 Ser Ile Val Gly Gln Ser Asn Glu Arg Gly Asp Gly Ile Tyr Ile  
 20 25 30  
 Gly Ser Ile Met Lys Gly Gly Ala Val Ala Ala Asp Gly Arg Ile Glu  
 35 40 45  
 Pro Gly Asp Met Leu Leu Gln Val Asn Glu Ile Asn Phe Glu Asn Met  
 50 55 60  
 Ser Asn Asp Asp Ala Val Arg Val Leu Arg Glu Ile Val His Lys Pro  
 65 70 75 80  
 Gly Pro Ile Thr Leu Thr Val Ala Lys Cys Trp Asp Pro Ser Pro  
 85 90 95

<210> 34  
 <211> 92  
 <212> PRT  
 <213> Homo sapiens

<400> 34  
 Thr Thr Gln Gln Ile Asp Leu Gln Gly Pro Gly Pro Trp Gly Phe Arg  
 1 5 10 15  
 Leu Val Gly Arg Lys Asp Phe Glu Gln Pro Leu Ala Ile Ser Arg Val  
 20 25 30  
 Thr Pro Gly Ser Lys Ala Ala Leu Ala Asn Leu Cys Ile Gly Asp Val  
 35 40 45  
 Ile Thr Ala Ile Asp Gly Glu Asn Thr Ser Asn Met Thr His Leu Glu  
 50 55 60  
 Ala Gln Asn Arg Ile Lys Gly Cys Thr Asp Asn Leu Thr Leu Thr Val  
 65 70 75 80  
 Ala Arg Ser Glu His Lys Val Trp Ser Pro Leu Val  
 85 90

<210> 35  
 <211> 89  
 <212> PRT  
 <213> Homo sapiens

<400> 35  
 Ile Phe Met Asp Ser Phe Lys Val Val Leu Glu Gly Pro Ala Pro Trp  
 1 5 10 15  
 Gly Phe Arg Leu Gln Gly Gly Lys Asp Phe Asn Val Pro Leu Ser Ile  
 20 25 30  
 Ser Arg Leu Thr Pro Gly Gly Lys Ala Ala Gln Ala Gly Val Ala Val  
 35 40 45  
 Gly Asp Trp Val Leu Ser Ile Asp Gly Glu Asn Ala Gly Ser Leu Thr  
 50 55 60  
 His Ile Glu Ala Gln Asn Lys Ile Arg Ala Cys Gly Glu Arg Leu Ser  
 65 70 75 80  
 Leu Gly Leu Ser Arg Ala Gln Pro Val

<210> 36  
 <211> 100  
 <212> PRT  
 <213> Homo sapiens

<400> 36  
 Gln Gly His Glu Leu Ala Lys Gln Glu Ile Arg Val Arg Val Glu Lys  
 1 5 10 15  
 Asp Pro Glu Leu Gly Phe Ser Ile Ser Gly Gly Val Gly Arg Gly  
 20 25 30  
 Asn Pro Phe Arg Pro Asp Asp Gly Ile Phe Val Thr Arg Val Gln  
 35 40 45  
 Pro Glu Gly Pro Ala Ser Lys Leu Leu Gln Pro Gly Asp Lys Ile Ile  
 50 55 60  
 Gln Ala Asn Gly Tyr Ser Phe Ile Asn Ile Glu His Gly Gln Ala Val  
 65 70 75 80  
 Ser Leu Leu Lys Thr Phe Gln Asn Thr Val Glu Leu Ile Ile Val Arg  
 85 90 95  
 Glu Val Ser Ser  
 100

<210> 37  
 <211> 87  
 <212> PRT  
 <213> Homo sapiens

<400> 37  
 Ile Leu Cys Cys Leu Glu Lys Gly Pro Asn Gly Tyr Gly Phe His Leu  
 1 5 10 15  
 His Gly Glu Lys Gly Lys Leu Gly Gln Tyr Ile Arg Leu Val Glu Pro  
 20 25 30  
 Gly Ser Pro Ala Glu Lys Ala Gly Leu Leu Ala Gly Asp Arg Leu Val  
 35 40 45  
 Glu Val Asn Gly Glu Asn Val Glu Lys Glu Thr His Gln Gln Val Val  
 50 55 60  
 Ser Arg Ile Arg Ala Ala Leu Asn Ala Val Arg Leu Leu Val Val Asp  
 65 70 75 80  
 Pro Glu Phe Ile Val Thr Asp  
 85

<210> 38  
 <211> 92  
 <212> PRT  
 <213> Homo sapiens

<400> 38  
 Ile Arg Leu Cys Thr Met Lys Lys Gly Pro Ser Gly Tyr Gly Phe Asn  
 1 5 10 15  
 Leu His Ser Asp Lys Ser Lys Pro Gly Gln Phe Ile Arg Ser Val Asp  
 20 25 30  
 Pro Asp Ser Pro Ala Glu Ala Ser Gly Leu Arg Ala Gln Asp Arg Ile  
 35 40 45  
 Val Glu Val Asn Gly Val Cys Met Glu Gly Lys Gln His Gly Asp Val  
 50 55 60  
 Val Ser Ala Ile Arg Ala Gly Gly Asp Glu Thr Lys Leu Leu Val Val

65 70 75 80  
Asp Arg Glu Thr Asp Glu Phe Phe Met Asn Ser Ser  
85 90

<210> 39  
<211> 107  
<212> PRT  
<213> Homo sapiens

<400> 39  
Lys Asn Pro Ser Gly Glu Leu Lys Thr Val Thr Leu Ser Lys Met Lys  
1 5 10 15  
Gln Ser Leu Gly Ile Ser Ile Ser Gly Gly Ile Glu Ser Lys Val Gln  
20 25 30  
Pro Met Val Lys Ile Glu Lys Ile Phe Pro Gly Gly Ala Ala Phe Leu  
35 40 45  
Ser Gly Ala Leu Gln Ala Gly Phe Glu Leu Val Ala Val Asp Gly Glu  
50 55 60  
Asn Leu Glu Gln Val Thr His Gln Arg Ala Val Asp Thr Ile Arg Arg  
65 70 75 80  
Ala Tyr Arg Asn Lys Ala Arg Glu Pro Met Glu Leu Val Val Arg Val  
85 90 95  
Pro Gly Pro Ser Pro Arg Pro Ser Pro Ser Asp  
100 105

<210> 40  
<211> 97  
<212> PRT  
<213> Homo sapiens

<400> 40  
Glu Gly His Ser His Pro Arg Val Val Glu Leu Pro Lys Thr Glu Glu  
1 5 10 15  
Gly Leu Gly Phe Asn Ile Met Gly Gly Lys Glu Gln Asn Ser Pro Ile  
20 25 30  
Tyr Ile Ser Arg Ile Ile Pro Gly Gly Ile Ala Asp Arg His Gly Gly  
35 40 45  
Leu Lys Arg Gly Asp Gln Leu Leu Ser Val Asn Gly Val Ser Val Glu  
50 55 60  
Gly Glu His His Glu Lys Ala Val Glu Leu Leu Lys Ala Ala Gln Gly  
65 70 75 80  
Lys Val Lys Leu Val Val Arg Tyr Thr Pro Lys Val Leu Glu Glu Met  
85 90 95  
Glu

<210> 41  
<211> 88  
<212> PRT  
<213> Homo sapiens

<400> 41  
Pro Gly Ala Pro Tyr Ala Arg Lys Thr Phe Thr Ile Val Gly Asp Ala  
1 5 10 15  
Val Gly Trp Gly Phe Val Val Arg Gly Ser Lys Pro Cys His Ile Gln  
20 25 30  
Ala Val Asp Pro Ser Gly Pro Ala Ala Ala Gly Met Lys Val Cys

35	40	45
Gln Phe Val Val Ser Val Asn Gly Leu Asn Val Leu His Val Asp Tyr		
50	55	60
Arg Thr Val Ser Asn Leu Ile Leu Thr Gly Pro Arg Thr Ile Val Met		
65	70	75
Glu Val Met Glu Glu Leu Glu Cys		
85		

<210> 42  
<211> 97  
<212> PRT  
<213> Homo sapiens

<400> 42			
Gly Gln Tyr Gly Gly Glu Thr Val Lys Ile Val Arg Ile Glu Lys Ala			
1	5	10	15
Arg Asp Ile Pro Leu Gly Ala Thr Val Arg Asn Glu Met Asp Ser Val			
20	25	30	
Ile Ile Ser Arg Ile Val Lys Gly Gly Ala Ala Glu Lys Ser Gly Leu			
35	40	45	
Leu His Glu Gly Asp Glu Val Leu Glu Ile Asn Gly Ile Glu Ile Arg			
50	55	60	
Gly Lys Asp Val Asn Glu Val Phe Asp Leu Leu Ser Asp Met His Gly			
65	70	75	80
Thr Leu Thr Phe Val Leu Ile Pro Ser Gln Gln Ile Lys Pro Pro Pro			
85	90	95	
Ala			

<210> 43  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 43			
Ile Leu Ala His Val Lys Gly Ile Glu Lys Glu Val Asn Val Tyr Lys			
1	5	10	15
Ser Glu Asp Ser Leu Gly Leu Thr Ile Thr Asp Asn Gly Val Gly Tyr			
20	25	30	
Ala Phe Ile Lys Arg Ile Lys Asp Gly Gly Val Ile Asp Ser Val Lys			
35	40	45	
Thr Ile Cys Val Gly Asp His Ile Glu Ser Ile Asn Gly Glu Asn Ile			
50	55	60	
Val Gly Trp Arg His Tyr Asp Val Ala Lys Lys Leu Lys Glu Leu Lys			
65	70	75	80
Lys Glu Glu Leu Phe Thr Met Lys Leu Ile Glu Pro Lys Lys Ala Phe			
85	90	95	
Glu Ile			

<210> 44  
<211> 104  
<212> PRT  
<213> Homo sapiens

<400> 44		
Lys Pro Ser Gln Ala Ser Gly His Phe Ser Val Glu Leu Val Arg Gly		

1	5	10	15
Tyr Ala Gly Phe Gly Leu Thr Leu Gly Gly Gly Arg Asp Val Ala Gly			
20	25	30	
Asp Thr Pro Leu Ala Val Arg Gly Leu Leu Lys Asp Gly Pro Ala Gln			
35	40	45	
Arg Cys Gly Arg Leu Glu Val Gly Asp Leu Val Leu His Ile Asn Gly			
50	55	60	
Glu Ser Thr Gln Gly Leu Thr His Ala Gln Ala Val Glu Arg Ile Arg			
65	70	75	80
Ala Gly Gly Pro Gln Leu His Leu Val Ile Arg Arg Pro Leu Glu Thr			
85	90	95	
His Pro Gly Lys Pro Arg Gly Val			
100			

<210> 45

<211> 107

<212> PRT

<213> Homo sapiens

<400> 45

Pro Val Met Ser Gln Cys Ala Cys Leu Glu Glu Val His Leu Pro Asn			
1	5	10	15
Ile Lys Pro Gly Glu Gly Leu Gly Met Tyr Ile Lys Ser Thr Tyr Asp			
20	25	30	
Gly Leu His Val Ile Thr Gly Thr Thr Glu Asn Ser Pro Ala Asp Arg			
35	40	45	
Ser Gln Lys Ile His Ala Gly Asp Glu Val Ile Gln Val Asn Gln Gln			
50	55	60	
Thr Val Val Gly Trp Gln Leu Lys Asn Leu Val Lys Lys Leu Arg Glu			
65	70	75	80
Asn Pro Thr Gly Val Val Leu Leu Lys Lys Arg Pro Thr Gly Ser			
85	90	95	
Phe Asn Phe Thr Pro Glu Phe Ile Val Thr Asp			
100	105		

<210> 46

<211> 100

<212> PRT

<213> Homo sapiens

<400> 46

Leu Asp Asp Glu Glu Asp Ser Val Lys Ile Ile Arg Leu Val Lys Asn			
1	5	10	15
Arg Glu Pro Leu Gly Ala Thr Ile Lys Lys Asp Glu Gln Thr Gly Ala			
20	25	30	
Ile Ile Val Ala Arg Ile Met Arg Gly Gly Ala Ala Asp Arg Ser Gly			
35	40	45	
Leu Ile His Val Gly Asp Glu Leu Arg Glu Val Asn Gly Ile Pro Val			
50	55	60	
Glu Asp Lys Arg Pro Glu Glu Ile Ile Gln Ile Leu Ala Gln Ser Gln			
65	70	75	80
Gly Ala Ile Thr Phe Lys Ile Ile Pro Gly Ser Lys Glu Glu Thr Pro			
85	90	95	
Ser Asn Ser Ser			
100			

<210> 47

<211> 83  
<212> PRT  
<213> Homo sapiens

<400> 47  
Val Val Glu Leu Met Lys Lys Glu Gly Thr Thr Leu Gly Leu Thr Val  
1 5 10 15  
Ser Gly Gly Ile Asp Lys Asp Gly Lys Pro Arg Val Ser Asn Leu Arg  
20 25 30  
Gln Gly Gly Ile Ala Ala Arg Ser Asp Gln Leu Asp Val Gly Asp Tyr  
35 40 45  
Ile Lys Ala Val Asn Gly Ile Asn Leu Ala Lys Phe Arg His Asp Glu  
50 55 60  
Ile Ile Ser Leu Leu Lys Asn Val Gly Glu Arg Val Val Leu Glu Val  
65 70 75 80  
Glu Tyr Glu

<210> 48  
<211> 110  
<212> PRT  
<213> Homo sapiens

<400> 48  
Arg Ser Ser Val Ile Phe Arg Thr Val Glu Val Thr Leu His Lys Glu  
1 5 10 15  
Gly Asn Thr Phe Gly Phe Val Ile Arg Gly Gly Ala His Asp Asp Arg  
20 25 30  
Asn Lys Ser Arg Pro Val Val Ile Thr Cys Val Arg Pro Gly Gly Pro  
35 40 45  
Ala Asp Arg Glu Gly Thr Ile Lys Pro Gly Asp Arg Leu Leu Ser Val  
50 55 60  
Asp Gly Ile Arg Leu Leu Gly Thr Thr His Ala Glu Ala Met Ser Ile  
65 70 75 80  
Leu Lys Gln Cys Gly Gln Glu Ala Ala Leu Leu Ile Glu Tyr Asp Val  
85 90 95  
Ser Val Met Asp Ser Val Ala Thr Ala Ser Gly Asn Ser Ser  
100 105 110

<210> 49  
<211> 106  
<212> PRT  
<213> Homo sapiens

<400> 49  
His Val Ala Thr Ala Ser Gly Pro Leu Leu Val Glu Val Ala Lys Thr  
1 5 10 15  
Pro Gly Ala Ser Leu Gly Val Ala Leu Thr Thr Ser Met Cys Cys Asn  
20 25 30  
Lys Gln Val Ile Val Ile Asp Lys Ile Lys Ser Ala Ser Ile Ala Asp  
35 40 45  
Arg Cys Gly Ala Leu His Val Gly Asp His Ile Leu Ser Ile Asp Gly  
50 55 60  
Thr Ser Met Glu Tyr Cys Thr Leu Ala Glu Ala Thr Gln Phe Leu Ala  
65 70 75 80  
Asn Thr Thr Asp Gln Val Lys Leu Glu Ile Leu Pro His His Gln Thr  
85 90 95  
Arg Leu Ala Leu Lys Gly Pro Asn Ser Ser

100

105

<210> 50  
<211> 97  
<212> PRT  
<213> Homo sapiens

<400> 50  
Thr Glu Thr Thr Glu Val Val Leu Thr Ala Asp Pro Val Thr Gly Phe  
1 5 10 15  
Gly Ile Gln Leu Gln Gly Ser Val Phe Ala Thr Glu Thr Leu Ser Ser  
20 25 30  
Pro Pro Leu Ile Ser Tyr Ile Glu Ala Asp Ser Pro Ala Glu Arg Cys  
35 40 45  
Gly Val Leu Gln Ile Gly Asp Arg Val Met Ala Ile Asn Gly Ile Pro  
50 55 60  
Thr Glu Asp Ser Thr Phe Glu Glu Ala Ser Gln Leu Leu Arg Asp Ser  
65 70 75 80  
Ser Ile Thr Ser Lys Val Thr Leu Glu Ile Glu Phe Asp Val Ala Glu  
85 90 95  
Ser

<210> 51  
<211> 101  
<212> PRT  
<213> Homo sapiens

<400> 51  
Ala Glu Ser Val Ile Pro Ser Ser Gly Thr Phe His Val Lys Leu Pro  
1 5 10 15  
Lys Lys His Asn Val Glu Leu Gly Ile Thr Ile Ser Ser Pro Ser Ser  
20 25 30  
Arg Lys Pro Gly Asp Pro Leu Val Ile Ser Asp Ile Lys Lys Gly Ser  
35 40 45  
Val Ala His Arg Thr Gly Thr Leu Glu Leu Gly Asp Lys Leu Leu Ala  
50 55 60  
Ile Asp Asn Ile Arg Leu Asp Asn Cys Ser Met Glu Asp Ala Val Gln  
65 70 75 80  
Ile Leu Gln Gln Cys Glu Asp Leu Val Lys Leu Lys Ile Arg Lys Asp  
85 90 95  
Glu Asp Asn Ser Asp  
100

<210> 52  
<211> 90  
<212> PRT  
<213> Homo sapiens

<400> 52  
Ile Tyr Thr Val Glu Leu Lys Arg Tyr Gly Gly Pro Leu Gly Ile Thr  
1 5 10 15  
Ile Ser Gly Thr Glu Glu Pro Phe Asp Pro Ile Ile Ile Ser Ser Leu  
20 25 30  
Thr Lys Gly Gly Leu Ala Glu Arg Thr Gly Ala Ile His Ile Gly Asp  
35 40 45  
Arg Ile Leu Ala Ile Asn Ser Ser Ser Leu Lys Gly Lys Pro Leu Ser

50	55	60
Glu Ala Ile His Leu Leu Gln Met Ala Gly	Glu Thr Val Thr Leu Lys	
65	70	75
Ile Lys Lys Gln Thr Asp Ala Gln Ser Ala		80
	85	90

<210> 53  
<211> 95  
<212> PRT  
<213> Homo sapiens

<400> 53		
Ile Met Ser Pro Thr Pro Val Glu Leu His Lys Val Thr Leu Tyr Lys		
1	5	10
Asp Ser Asp Met Glu Asp Phe Gly Phe Ser Val Ala Asp Gly Leu Leu		15
20	25	30
Glu Lys Gly Val Tyr Val Lys Asn Ile Arg Pro Ala Gly Pro Gly Asp		
35	40	45
Leu Gly Gly Leu Lys Pro Tyr Asp Arg Leu Leu Gln Val Asn His Val		
50	55	60
Arg Thr Arg Asp Phe Asp Cys Cys Leu Val Val Pro Leu Ile Ala Glu		80
65	70	75
Ser Gly Asn Lys Leu Asp Leu Val Ile Ser Arg Asn Pro Leu Ala		
85	90	95

<210> 54  
<211> 88  
<212> PRT  
<213> Homo sapiens

<400> 54		
Ser Arg Gly Cys Glu Thr Arg Glu Leu Ala Leu Pro Arg Asp Gly Gln		
1	5	10
Gly Arg Leu Gly Phe Glu Val Asp Ala Glu Gly Phe Val Thr His Val		15
20	25	30
Glu Arg Phe Thr Phe Ala Glu Thr Ala Gly Leu Arg Pro Gly Ala Arg		
35	40	45
Leu Leu Arg Val Cys Gly Gln Thr Leu Pro Ser Leu Arg Pro Glu Ala		
50	55	60
Ala Ala Gln Leu Leu Arg Ser Ala Pro Lys Val Cys Val Thr Val Leu		80
65	70	75
Pro Pro Asp Glu Ser Gly Arg Pro		
85		

<210> 55  
<211> 95  
<212> PRT  
<213> Homo sapiens

<400> 55		
Ala Lys Ala Lys Trp Arg Gln Val Val Leu Gln Lys Ala Ser Arg Glu		
1	5	10
Ser Pro Leu Gln Phe Ser Leu Asn Gly Gly Ser Glu Lys Gly Phe Gly		15
20	25	30
Ile Phe Val Glu Gly Val Glu Pro Gly Ser Lys Ala Ala Asp Ser Gly		
35	40	45
Leu Lys Arg Gly Asp Gln Ile Met Glu Val Asn Gly Gln Asn Phe Glu		

50	55	60
Asn Ile Thr Phe Met Lys Ala Val Glu Ile Leu Arg Asn Asn Thr His		
65	70	75
Leu Ala Leu Thr Val Lys Thr Asn Ile Phe Val Phe Lys Glu Leu		
85	90	95

<210> 56  
 <211> 89  
 <212> PRT  
 <213> Homo sapiens

<400> 56			
Leu Glu Asn Val Ile Ala Lys Ser Leu Leu Ile Lys Ser Asn Glu Gly			
1	5	10	15
Ser Tyr Gly Phe Gly Leu Glu Asp Lys Asn Lys Val Pro Ile Ile Lys			
20	25	30	
Leu Val Glu Lys Gly Ser Asn Ala Glu Met Ala Gly Met Glu Val Gly			
35	40	45	
Lys Lys Ile Phe Ala Ile Asn Gly Asp Leu Val Phe Met Arg Pro Phe			
50	55	60	
Asn Glu Val Asp Cys Phe Leu Lys Ser Cys Leu Asn Ser Arg Lys Pro			
65	70	75	80
Leu Arg Val Leu Val Ser Thr Lys Pro			
85			

<210> 57  
 <211> 82  
 <212> PRT  
 <213> Homo sapiens

<400> 57			
Pro Arg Glu Thr Val Lys Ile Pro Asp Ser Ala Asp Gly Leu Gly Phe			
1	5	10	15
Gln Ile Arg Gly Phe Gly Pro Ser Val Val His Ala Val Gly Arg Gly			
20	25	30	
Thr Val Ala Ala Ala Gly Leu His Pro Gly Gln Cys Ile Ile Lys			
35	40	45	
Val Asn Gly Ile Asn Val Ser Lys Glu Thr His Ala Ser Val Ile Ala			
50	55	60	
His Val Thr Ala Cys Arg Lys Tyr Arg Arg Pro Thr Lys Gln Asp Ser			
65	70	75	80
Ile Gln			

<210> 58  
 <211> 100  
 <212> PRT  
 <213> Homo sapiens

<400> 58			
Glu Asp Phe Cys Tyr Val Phe Thr Val Glu Leu Glu Arg Gly Pro Ser			
1	5	10	15
Gly Leu Gly Met Gly Leu Ile Asp Gly Met His Thr His Leu Gly Ala			
20	25	30	
Pro Gly Leu Tyr Ile Gln Thr Leu Leu Pro Gly Ser Pro Ala Ala Ala			
35	40	45	
Asp Gly Arg Leu Ser Leu Gly Asp Arg Ile Leu Glu Val Asn Gly Ser			

50	55	60	
Ser Leu Leu Gly Leu Gly Tyr Leu Arg Ala Val Asp Leu Ile Arg His			
65	70	75	80
Gly Gly Lys Lys Met Arg Phe Leu Val Ala Lys Ser Asp Val Glu Thr			
	85	90	95
Ala Lys Lys Ile			
100			

<210> 59  
 <211> 109  
 <212> PRT  
 <213> Homo sapiens

<400> 59			
Leu Thr Glu Phe Gln Asp Lys Gln Ile Lys Asp Trp Lys Lys Arg Phe			
1	5	10	15
Ile Gly Ile Arg Met Arg Thr Ile Thr Pro Ser Leu Val Asp Glu Leu			
20	25	30	
Lys Ala Ser Asn Pro Asp Phe Pro Glu Val Ser Ser Gly Ile Tyr Val			
35	40	45	
Gln Glu Val Ala Pro Asn Ser Pro Ser Gln Arg Gly Gly Ile Gln Asp			
50	55	60	
Gly Asp Ile Ile Val Lys Val Asn Gly Arg Pro Leu Val Asp Ser Ser			
65	70	75	80
Glu Leu Gln Glu Ala Val Leu Thr Glu Ser Pro Leu Leu Leu Glu Val			
85	90	95	
Arg Arg Gly Asn Asp Asp Leu Leu Phe Ser Asn Ser Ser			
100	105		

<210> 60  
 <211> 97  
 <212> PRT  
 <213> Homo sapiens

<400> 60			
His Lys Lys Tyr Leu Gly Leu Gln Met Leu Ser Leu Thr Val Pro Leu			
1	5	10	15
Ser Glu Glu Leu Lys Met His Tyr Pro Asp Phe Pro Asp Val Ser Ser			
20	25	30	
Gly Val Tyr Val Cys Lys Val Val Glu Gly Thr Ala Ala Gln Ser Ser			
35	40	45	
Gly Leu Arg Asp His Asp Val Ile Val Asn Ile Asn Gly Lys Pro Ile			
50	55	60	
Thr Thr Thr Asp Val Val Lys Ala Leu Asp Ser Asp Ser Leu Ser			
65	70	75	80
Met Ala Val Leu Arg Gly Lys Asp Asn Leu Leu Leu Thr Val Asn Ser			
85	90	95	
Ser			

<210> 61  
 <211> 104  
 <212> PRT  
 <213> Homo sapiens

<400> 61			
Ile Trp Gln Ile Glu Tyr Ile Asp Ile Glu Arg Pro Ser Thr Gly Gly			

1	5	10	15												
Leu	Gly	Phe	Ser	Val	Val	Ala	Leu	Arg	Ser	Gln	Asn	Leu	Gly	Lys	Val
				20				25					30		
Asp	Ile	Phe	Val	Lys	Asp	Val	Gln	Pro	Gly	Ser	Val	Ala	Asp	Arg	Asp
				35				40					45		
Gln	Arg	Leu	Lys	Glu	Asn	Asp	Gln	Ile	Leu	Ala	Ile	Asn	His	Thr	Pro
				50				55					60		
Leu	Asp	Gln	Asn	Ile	Ser	His	Gln	Gln	Ala	Ile	Ala	Leu	Leu	Gln	Gln
				65				70					75		80
Thr	Thr	Gly	Ser	Leu	Arg	Leu	Ile	Val	Ala	Arg	Glu	Pro	Val	His	Thr
				85				90					95		
Lys	Ser	Ser	Thr	Ser	Ser	Ser	Ser	Glu							
				100											

<210> 62  
 <211> 78  
 <212> PRT  
 <213> Homo sapiens

<400> 62															
Pro	Gly	His	Val	Glu	Glu	Val	Glu	Leu	Ile	Asn	Asp	Gly	Ser	Gly	Leu
1				5				10					15		
Gly	Phe	Gly	Ile	Val	Gly	Gly	Lys	Thr	Ser	Gly	Val	Val	Val	Arg	Thr
				20				25					30		
Ile	Val	Pro	Gly	Gly	Leu	Ala	Asp	Arg	Asp	Gly	Arg	Leu	Gln	Thr	Gly
				35				40					45		
Asp	His	Ile	Leu	Lys	Ile	Gly	Gly	Thr	Asn	Val	Gln	Gly	Met	Thr	Ser
				50				55					60		
Glu	Gln	Val	Ala	Gln	Val	Leu	Arg	Asn	Cys	Gly	Asn	Ser	Ser		
				65				70					75		

<210> 63  
 <211> 111  
 <212> PRT  
 <213> Homo sapiens

<400> 63															
Pro	Gly	Ser	Asp	Ser	Ser	Leu	Phe	Glu	Thr	Tyr	Asn	Val	Glu	Leu	Val
1				5				10					15		
Arg	Lys	Asp	Gly	Gln	Ser	Leu	Gly	Ile	Arg	Ile	Val	Gly	Tyr	Val	Gly
				20				25					30		
Thr	Ser	His	Thr	Gly	Glu	Ala	Ser	Gly	Ile	Tyr	Val	Lys	Ser	Ile	Ile
				35				40					45		
Pro	Gly	Ser	Ala	Ala	Tyr	His	Asn	Gly	His	Ile	Gln	Val	Asn	Asp	Lys
					50			55					60		
Ile	Val	Ala	Val	Asp	Gly	Val	Asn	Ile	Gln	Gly	Phe	Ala	Asn	His	Asp
				65				70					75		80
Val	Val	Glu	Val	Leu	Arg	Asn	Ala	Gly	Gln	Val	Val	His	Leu	Thr	Leu
					85				90					95	
Val	Arg	Arg	Lys	Thr	Ser	Ser	Ser	Thr	Ser	Arg	Ile	His	Arg	Asp	
				100				105					110		

<210> 64  
 <211> 96  
 <212> PRT  
 <213> Homo sapiens

<400> 64

Asn Ser Asp Asp Ala Glu Leu Gln Lys Tyr Ser Lys Leu Leu Pro Ile  
1 5 10 15  
His Thr Leu Arg Leu Gly Val Glu Val Asp Ser Phe Asp Gly His His  
20 25 30  
Tyr Ile Ser Ser Ile Val Ser Gly Gly Pro Val Asp Thr Leu Gly Leu  
35 40 45  
Leu Gln Pro Glu Asp Glu Leu Leu Glu Val Asn Gly Met Gln Leu Tyr  
50 55 60  
Gly Lys Ser Arg Arg Glu Ala Val Ser Phe Leu Lys Glu Val Pro Pro  
65 70 75 80  
Pro Phe Thr Leu Val Cys Cys Arg Arg Leu Phe Asp Asp Glu Ala Ser  
85 90 95

<210> 65

<211> 102

<212> PRT

<213> Homo sapiens

<400> 65

Leu Ser Ser Pro Glu Val Lys Ile Val Glu Leu Val Lys Asp Cys Lys  
1 5 10 15  
Gly Leu Gly Phe Ser Ile Leu Asp Tyr Gln Asp Pro Leu Asp Pro Thr  
20 25 30  
Arg Ser Val Ile Val Ile Arg Ser Leu Val Ala Asp Gly Val Ala Glu  
35 40 45  
Arg Ser Gly Gly Leu Leu Pro Gly Asp Arg Leu Val Ser Val Asn Glu  
50 55 60  
Tyr Cys Leu Asp Asn Thr Ser Leu Ala Glu Ala Val Glu Ile Leu Lys  
65 70 75 80  
Ala Val Pro Pro Gly Leu Val His Leu Gly Ile Cys Lys Pro Leu Val  
85 90 95  
Glu Phe Ile Val Thr Asp  
100

<210> 66

<211> 119

<212> PRT

<213> Homo sapiens

<400> 66

Pro Asn Phe Ser His Trp Gly Pro Pro Arg Ile Val Glu Ile Phe Arg  
1 5 10 15  
Glu Pro Asn Val Ser Leu Gly Ile Ser Ile Val Val Gly Gln Thr Val  
20 25 30  
Ile Lys Arg Leu Lys Asn Gly Glu Glu Leu Lys Gly Ile Phe Ile Lys  
35 40 45  
Gln Val Leu Glu Asp Ser Pro Ala Gly Lys Thr Asn Ala Leu Lys Thr  
50 55 60  
Gly Asp Lys Ile Leu Glu Val Ser Gly Val Asp Leu Gln Asn Ala Ser  
65 70 75 80  
His Ser Glu Ala Val Glu Ala Ile Lys Asn Ala Gly Asn Pro Val Val  
85 90 95  
Phe Ile Val Gln Ser Leu Ser Ser Thr Pro Arg Val Ile Pro Asn Val  
100 105 110  
His Asn Lys Ala Asn Ser Ser  
115

<210> 67  
<211> 99  
<212> PRT  
<213> Homo sapiens

<400> 67  
Pro Gly Glu Leu His Ile Ile Glu Leu Glu Lys Asp Lys Asn Gly Leu  
1 5 10 15  
Gly Leu Ser Leu Ala Gly Asn Lys Asp Arg Ser Arg Met Ser Ile Phe  
20 25 30  
Val Val Gly Ile Asn Pro Glu Gly Pro Ala Ala Asp Gly Arg Met  
35 40 45  
Arg Ile Gly Asp Glu Leu Leu Glu Ile Asn Asn Gln Ile Leu Tyr Gly  
50 55 60  
Arg Ser His Gln Asn Ala Ser Ala Ile Ile Lys Thr Ala Pro Ser Lys  
65 70 75 80  
Val Lys Leu Val Phe Ile Arg Asn Glu Asp Ala Val Asn Gln Met Ala  
85 90 95  
Asn Ser Ser

<210> 68  
<211> 93  
<212> PRT  
<213> Homo sapiens

<400> 68  
Pro Ala Thr Cys Pro Ile Val Pro Gly Gln Glu Met Ile Ile Glu Ile  
1 5 10 15  
Ser Lys Gly Arg Ser Gly Leu Gly Leu Ser Ile Val Gly Gly Lys Asp  
20 25 30  
Thr Pro Leu Asn Ala Ile Val Ile His Glu Val Tyr Glu Glu Gly Ala  
35 40 45  
Ala Ala Arg Asp Gly Arg Leu Trp Ala Gly Asp Gln Ile Leu Glu Val  
50 55 60  
Asn Gly Val Asp Leu Arg Asn Ser Ser His Glu Glu Ala Ile Thr Ala  
65 70 75 80  
Leu Arg Gln Thr Pro Gln Lys Val Arg Leu Val Val Tyr  
85 90

<210> 69  
<211> 103  
<212> PRT  
<213> Homo sapiens

<400> 69  
Ile Leu Thr Leu Thr Ile Leu Arg Gln Thr Gly Gly Leu Gly Ile Ser  
1 5 10 15  
Ile Ala Gly Gly Lys Gly Ser Thr Pro Tyr Lys Gly Asp Asp Glu Gly  
20 25 30  
Ile Phe Ile Ser Arg Val Ser Glu Glu Gly Pro Ala Ala Arg Ala Gly  
35 40 45  
Val Arg Val Gly Asp Lys Leu Leu Glu Val Asn Gly Val Ala Leu Gln  
50 55 60  
Gly Ala Glu His His Glu Ala Val Glu Ala Leu Arg Gly Ala Gly Thr  
65 70 75 80  
Ala Val Gln Met Arg Val Trp Arg Glu Arg Met Val Glu Pro Glu Asn

	85	90	95
Ala Glu Phe Ile Val Thr Asp			
100			

<210> 70  
<211> 97  
<212> PRT  
<213> Homo sapiens

<400> 70  
Pro Leu Arg Gln Arg His Val Ala Cys Leu Ala Arg Ser Glu Arg Gly  
1 5 10 15  
Leu Gly Phe Ser Ile Ala Gly Gly Lys Gly Ser Thr Pro Tyr Arg Ala  
20 25 30  
Gly Asp Ala Gly Ile Phe Val Ser Arg Ile Ala Glu Gly Gly Ala Ala  
35 40 45  
His Arg Ala Gly Thr Leu Gln Val Gly Asp Arg Val Leu Ser Ile Asn  
50 55 60  
Gly Val Asp Val Thr Glu Ala Arg His Asp His Ala Val Ser Leu Leu  
65 70 75 80  
Thr Ala Ala Ser Pro Thr Ile Ala Leu Leu Leu Glu Arg Glu Ala Gly  
85 90 95  
Gly

<210> 71  
<211> 106  
<212> PRT  
<213> Homo sapiens

<400> 71  
Ile Leu Glu Gly Pro Tyr Pro Val Glu Glu Ile Arg Leu Pro Arg Ala  
1 5 10 15  
Gly Gly Pro Leu Gly Leu Ser Ile Val Gly Gly Ser Asp His Ser Ser  
20 25 30  
His Pro Phe Gly Val Gln Glu Pro Gly Val Phe Ile Ser Lys Val Leu  
35 40 45  
Pro Arg Gly Leu Ala Ala Arg Ser Gly Leu Arg Val Gly Asp Arg Ile  
50 55 60  
Leu Ala Val Asn Gly Gln Asp Val Arg Asp Ala Thr His Gln Glu Ala  
65 70 75 80  
Val Ser Ala Leu Leu Arg Pro Cys Leu Glu Leu Ser Leu Leu Val Arg  
85 90 95  
Arg Asp Pro Ala Glu Phe Ile Val Thr Asp  
100 105

<210> 72  
<211> 105  
<212> PRT  
<213> Homo sapiens

<400> 72  
Arg Glu Leu Cys Ile Gln Lys Ala Pro Gly Glu Arg Leu Gly Ile Ser  
1 5 10 15  
Ile Arg Gly Gly Ala Arg Gly His Ala Gly Asn Pro Arg Asp Pro Thr  
20 25 30  
Asp Glu Gly Ile Phe Ile Ser Lys Val Ser Pro Thr Gly Ala Ala Gly

35	40	45	
Arg Asp Gly Arg Leu Arg Val Gly Leu Arg Leu Leu	Glu Val Asn Gln		
50	55	60	
Gln Ser Leu Leu Gly Leu Thr His Gly Glu Ala Val	Gln Leu Leu Arg		
65	70	75	80
Ser Val Gly Asp Thr Leu Thr Val Leu Val Cys Asp	Gly Phe Glu Ala		
85	90	95	
Ser Thr Asp Ala Ala Leu Glu Val Ser			
100	105		

<210> 73  
 <211> 91  
 <212> PRT  
 <213> Homo sapiens

<400> 73		
Pro His Gln Pro Ile Val Ile His Ser Ser Gly Lys	Asn Tyr Gly Phe	
1 5 10 15		
Thr Ile Arg Ala Ile Arg Val Tyr Val Gly Asp Ser	Asp Ile Tyr Thr	
20 25 30		
Val His His Ile Val Trp Asn Val Glu Glu Gly Ser	Pro Ala Cys Gln	
35 40 45		
Ala Gly Leu Lys Ala Gly Asp Leu Ile Thr His Ile	Asn Gly Glu Pro	
50 55 60		
Val His Gly Leu Val His Thr Glu Val Ile Glu Leu	Leu Leu Lys Ser	
65 70 75 80		
Gly Asn Lys Val Ser Ile Thr Thr Thr Pro Phe		
85 90		

<210> 74  
 <211> 105  
 <212> PRT  
 <213> Homo sapiens

<400> 74		
Ile Leu Ala Cys Ala Ala Lys Ala Lys Arg Arg	Leu Met Thr Leu Thr	
1 5 10 15		
Lys Pro Ser Arg Glu Ala Pro Leu Pro Phe Ile	Leu Leu Gly Gly Ser	
20 25 30		
Glu Lys Gly Phe Gly Ile Phe Val Asp Ser Val	Asp Ser Gly Ser Lys	
35 40 45		
Ala Thr Glu Ala Gly Leu Lys Arg Gly Asp Gln	Ile Leu Glu Val Asn	
50 55 60		
Gly Gln Asn Phe Glu Asn Ile Gln Leu Ser Lys	Ala Met Glu Ile Leu	
65 70 75 80		
Arg Asn Asn Thr His Leu Ser Ile Thr Val Lys	Thr Asn Leu Phe Val	
85 90 95		
Phe Lys Glu Leu Leu Thr Asn Ser Ser		
100 105		

<210> 75  
 <211> 88  
 <212> PRT  
 <213> Homo sapiens

<400> 75		
Ile Pro Pro Ala Pro Arg Lys Val Glu Met Arg Arg	Asp Pro Val Leu	

1	5	10	15
Gly Phe Gly Phe Val Ala Gly Ser Glu Lys Pro Val Val Val Arg Ser			
20	25	30	
Val Thr Pro Gly Gly Pro Ser Glu Gly Lys Leu Ile Pro Gly Asp Gln			
35	40	45	
Ile Val Met Ile Asn Asp Glu Pro Val Ser Ala Ala Pro Arg Glu Arg			
50	55	60	
Val Ile Asp Leu Val Arg Ser Cys Lys Glu Ser Ile Leu Leu Thr Val			
65	70	75	80
Ile Gln Pro Tyr Pro Ser Pro Lys			
85			

<210> 76  
<211> 101  
<212> PRT  
<213> Homo sapiens

<400> 76			
Leu Asn Lys Arg Thr Thr Met Pro Lys Asp Ser Gly Ala Leu Leu Gly			
1	5	10	15
Leu Lys Val Val Gly Gly Lys Met Thr Asp Leu Gly Arg Leu Gly Ala			
20	25	30	
Phe Ile Thr Lys Val Lys Lys Gly Ser Leu Ala Asp Val Val Gly His			
35	40	45	
Leu Arg Ala Gly Asp Glu Val Leu Glu Trp Asn Gly Lys Pro Leu Pro			
50	55	60	
Gly Ala Thr Asn Glu Glu Val Tyr Asn Ile Ile Leu Glu Ser Lys Ser			
65	70	75	80
Glu Pro Gln Val Glu Ile Ile Val Ser Arg Pro Ile Gly Asp Ile Pro			
85	90	95	
Arg Ile His Arg Asp			
100			

<210> 77  
<211> 79  
<212> PRT  
<213> Homo sapiens

<400> 77			
Gln Arg Cys Val Ile Ile Gln Lys Asp Gln His Gly Phe Gly Phe Thr			
1	5	10	15
Val Ser Gly Asp Arg Ile Val Leu Val Gln Ser Val Arg Pro Gly Gly			
20	25	30	
Ala Ala Met Lys Ala Gly Val Lys Glu Gly Asp Arg Ile Ile Lys Val			
35	40	45	
Asn Gly Thr Met Val Thr Asn Ser Ser His Leu Glu Val Val Lys Leu			
50	55	60	
Ile Lys Ser Gly Ala Tyr Val Ala Leu Thr Leu Leu Gly Ser Ser			
65	70	75	

<210> 78  
<211> 87  
<212> PRT  
<213> Homo sapiens

<400> 78			
Ile Leu Val Gln Arg Cys Val Ile Ile Gln Lys Asp Asp Asn Gly Phe			

1	5	10	15
Gly Leu Thr Val Ser Gly Asp Asn Pro Val Phe Val Gln Ser Val Lys			
20	25	30	
Glu Asp Gly Ala Ala Met Arg Ala Gly Val Gln Thr Gly Asp Arg Ile			
35	40	45	
Ile Lys Val Asn Gly Thr Leu Val Thr His Ser Asn His Leu Glu Val			
50	55	60	
Val Lys Leu Ile Lys Ser Gly Ser Tyr Val Ala Leu Thr Val Gln Gly			
65	70	75	80
Arg Pro Pro Gly Asn Ser Ser			
85			

<210> 79  
 <211> 79  
 <212> PRT  
 <213> Homo sapiens

<400> 79			
Ser Val Glu Met Thr Leu Arg Arg Asn Gly Leu Gly Gln Leu Gly Phe			
1	5	10	15
His Val Asn Tyr Glu Gly Ile Val Ala Asp Val Glu Pro Tyr Gly Tyr			
20	25	30	
Ala Trp Gln Ala Gly Leu Arg Gln Gly Ser Arg Leu Val Glu Ile Cys			
35	40	45	
Lys Val Ala Val Ala Thr Leu Ser His Glu Gln Met Ile Asp Leu Leu			
50	55	60	
Arg Thr Ser Val Thr Val Lys Val Val Ile Ile Pro Pro His Asp			
65	70	75	

<210> 80  
 <211> 96  
 <212> PRT  
 <213> Homo sapiens

<400> 80			
Leu Lys Val Met Thr Ser Gly Trp Glu Thr Val Asp Met Thr Leu Arg			
1	5	10	15
Arg Asn Gly Leu Gly Gln Leu Gly Phe His Val Lys Tyr Asp Gly Thr			
20	25	30	
Val Ala Glu Val Glu Asp Tyr Gly Phe Ala Trp Gln Ala Gly Leu Arg			
35	40	45	
Gln Gly Ser Arg Leu Val Glu Ile Cys Lys Val Ala Val Val Thr Leu			
50	55	60	
Thr His Asp Gln Met Ile Asp Leu Leu Arg Thr Ser Val Thr Val Lys			
65	70	75	80
Val Val Ile Ile Pro Pro Phe Glu Asp Gly Thr Pro Arg Arg Gly Trp			
85	90	95	

<210> 81  
 <211> 105  
 <212> PRT  
 <213> Homo sapiens

<400> 81			
His Tyr Ile Phe Pro His Ala Arg Ile Lys Ile Thr Arg Asp Ser Lys			
1	5	10	15
Asp His Thr Val Ser Gly Asn Gly Leu Gly Ile Arg Ile Val Gly Gly			

20	25	30
Lys Glu Ile Pro Gly His Ser Gly Glu Ile Gly Ala Tyr Ile Ala Lys		
35	40	45
Ile Leu Pro Gly Gly Ser Ala Glu Gln Thr Gly Lys Leu Met Glu Gly		
50	55	60
Met Gln Val Leu Glu Trp Asn Gly Ile Pro Leu Thr Ser Lys Thr Tyr		
65	70	75
Glu Glu Val Gln Ser Ile Ile Ser Gln Gln Ser Gly Glu Ala Glu Ile		
85	90	95
Cys Val Arg Leu Asp Leu Asn Met Leu		
100	105	

<210> 82  
<211> 103  
<212> PRT  
<213> Homo sapiens

<400> 82		
Leu Cys Gly Ser Leu Arg Pro Pro Ile Val Ile His Ser Ser Gly Lys		
1	5	10
		15
Lys Tyr Gly Phe Ser Leu Arg Ala Ile Arg Val Tyr Met Gly Asp Ser		
20	25	30
Asp Val Tyr Thr Val His His Val Val Trp Ser Val Glu Asp Gly Ser		
35	40	45
Pro Ala Gln Glu Ala Gly Leu Arg Ala Gly Asp Leu Ile Thr His Ile		
50	55	60
Asn Gly Glu Ser Val Leu Gly Leu Val His Met Asp Val Val Glu Leu		
65	70	75
		80
Leu Leu Lys Ser Gly Asn Lys Ile Ser Leu Arg Thr Thr Ala Leu Glu		
85	90	95
Asn Thr Ser Ile Lys Val Gly		
100		

<210> 83  
<211> 86  
<212> PRT  
<213> Homo sapiens

<400> 83		
Ser Tyr Ser Val Thr Leu Thr Gly Pro Gly Pro Trp Gly Phe Arg Leu		
1	5	10
		15
Gln Gly Gly Lys Asp Phe Asn Met Pro Leu Thr Ile Ser Arg Ile Thr		
20	25	30
Pro Gly Ser Lys Ala Ala Gln Ser Gln Leu Ser Gln Gly Asp Leu Val		
35	40	45
Val Ala Ile Asp Gly Val Asn Thr Asp Thr Met Thr His Leu Glu Ala		
50	55	60
Gln Asn Lys Ile Lys Ser Ala Ser Tyr Asn Leu Ser Leu Thr Leu Gln		
65	70	75
		80
Lys Ser Lys Asn Ser Ser		
85		

<210> 84  
<211> 91  
<212> PRT  
<213> Homo sapiens

<400> 84

Ile Ser Arg Asp Ser Gly Ala Met Leu Gly Leu Lys Val Val Gly Gly  
1 5 10 15  
Lys Met Thr Glu Ser Gly Arg Leu Cys Ala Phe Ile Thr Lys Val Lys  
20 25 30  
Lys Gly Ser Leu Ala Asp Thr Val Gly His Leu Arg Pro Gly Asp Glu  
35 40 45  
Val Leu Glu Trp Asn Gly Arg Leu Leu Gln Gly Ala Thr Phe Glu Glu  
50 55 60  
Val Tyr Asn Ile Ile Leu Glu Ser Lys Pro Glu Pro Gln Val Glu Leu  
65 70 75 80  
Val Val Ser Arg Pro Ile Ala Ile His Arg Asp  
85 90

<210> 85

<211> 101

<212> PRT

<213> Homo sapiens

<400> 85

Ile Ser Ala Leu Gly Ser Met Arg Pro Pro Ile Ile His Arg Ala  
1 5 10 15  
Gly Lys Lys Tyr Gly Phe Thr Leu Arg Ala Ile Arg Val Tyr Met Gly  
20 25 30  
Asp Ser Asp Val Tyr Thr Val His His Met Val Trp His Val Glu Asp  
35 40 45  
Gly Gly Pro Ala Ser Glu Ala Gly Leu Arg Gln Gly Asp Leu Ile Thr  
50 55 60  
His Val Asn Gly Glu Pro Val His Gly Leu Val His Thr Glu Val Val  
65 70 75 80  
Glu Leu Ile Leu Lys Ser Gly Asn Lys Val Ala Ile Ser Thr Thr Pro  
85 90 95  
Leu Glu Asn Ser Ser  
100

<210> 86

<211> 94

<212> PRT

<213> Homo sapiens

<400> 86

Phe Ser Asp Met Arg Ile Ser Ile Asn Gln Thr Pro Gly Lys Ser Leu  
1 5 10 15  
Asp Phe Gly Phe Thr Ile Lys Trp Asp Ile Pro Gly Ile Phe Val Ala  
20 25 30  
Ser Val Glu Ala Gly Ser Pro Ala Glu Phe Ser Gln Leu Gln Val Asp  
35 40 45  
Asp Glu Ile Ile Ala Ile Asn Asn Thr Lys Phe Ser Tyr Asn Asp Ser  
50 55 60  
Lys Glu Trp Glu Glu Ala Met Ala Lys Ala Gln Glu Thr Gly His Leu  
65 70 75 80  
Val Met Asp Val Arg Arg Tyr Gly Lys Ala Gly Ser Pro Glu  
85 90

<210> 87

<211> 98

<212> PRT

<213> Homo sapiens

<400> 87

Gln	Ser	Ala	His	Leu	Glu	Val	Ile	Gln	Leu	Ala	Asn	Ile	Lys	Pro	Ser
1				5				10					15		
Glu	Gly	Leu	Gly	Met	Tyr	Ile	Lys	Ser	Thr	Tyr	Asp	Gly	Leu	His	Val
				20				25				30			
Ile	Thr	Gly	Thr	Thr	Glu	Asn	Ser	Pro	Ala	Asp	Arg	Cys	Lys	Lys	Ile
				35				40			45				
His	Ala	Gly	Asp	Glu	Val	Ile	Gln	Val	Asn	His	Gln	Thr	Val	Val	Gly
				50				55			60				
Trp	Gln	Leu	Lys	Asn	Leu	Val	Asn	Ala	Leu	Arg	Glu	Asp	Pro	Ser	Gly
				65				70			75			80	
Val	Ile	Leu	Thr	Leu	Lys	Lys	Arg	Pro	Gln	Ser	Met	Leu	Thr	Ser	Ala
				85				90			90			95	
Pro	Ala														

<210> 88

<211> 100

<212> PRT

<213> Homo sapiens

<400> 88

Ile	Leu	Thr	Gln	Thr	Leu	Ile	Pro	Val	Arg	His	Thr	Val	Lys	Ile	Asp
1					5				10				15		
Lys	Asp	Thr	Leu	Leu	Gln	Asp	Tyr	Gly	Phe	His	Ile	Ser	Glu	Ser	Leu
					20				25				30		
Pro	Leu	Thr	Val	Val	Ala	Val	Thr	Ala	Gly	Gly	Ser	Ala	His	Gly	Lys
					35				40			45			
Leu	Phe	Pro	Gly	Asp	Gln	Ile	Leu	Gln	Met	Asn	Asn	Glu	Pro	Ala	Glu
					50				55			60			
Asp	Leu	Ser	Trp	Glu	Arg	Ala	Val	Asp	Ile	Leu	Arg	Glu	Ala	Glu	Asp
					65				70			75			80
Ser	Leu	Ser	Ile	Thr	Val	Val	Arg	Cys	Thr	Ser	Gly	Val	Pro	Lys	Ser
					85				90			95			
Ser	Asn	Ser	Ser												
				100											

<210> 89

<211> 93

<212> PRT

<213> Homo sapiens

<400> 89

Gly	Leu	Arg	Ser	Pro	Ile	Thr	Ile	Gln	Arg	Ser	Gly	Lys	Lys	Tyr	Gly
1					5				10			15			
Phe	Thr	Leu	Arg	Ala	Ile	Arg	Val	Tyr	Met	Gly	Asp	Thr	Asp	Val	Tyr
					20				25			30			
Ser	Val	His	His	Ile	Val	Trp	His	Val	Glu	Glu	Gly	Pro	Ala	Gln	
					35				40			45			
Glu	Ala	Gly	Leu	Cys	Ala	Gly	Asp	Leu	Ile	Thr	His	Val	Asn	Gly	Glu
					50				55			60			
Pro	Val	His	Gly	Met	Val	His	Pro	Glu	Val	Val	Glu	Leu	Ile	Leu	Lys
					65				70			75			80
Ser	Gly	Asn	Lys	Val	Ala	Val	Thr	Thr	Thr	Pro	Phe	Glu			
					85				90						

<210> 90  
<211> 107  
<212> PRT  
<213> Homo sapiens

<400> 90  
Gln Gly Glu Glu Thr Lys Ser Leu Thr Leu Val Leu His Arg Asp Ser  
1 5 10 15  
Gly Ser Leu Gly Phe Asn Ile Ile Gly Gly Arg Pro Ser Val Asp Asn  
20 25 30  
His Asp Gly Ser Ser Ser Glu Gly Ile Phe Val Ser Lys Ile Val Asp  
35 40 45  
Ser Gly Pro Ala Ala Lys Glu Gly Gly Leu Gln Ile His Asp Arg Ile  
50 55 60  
Ile Glu Val Asn Gly Arg Asp Leu Ser Arg Ala Thr His Asp Gln Ala  
65 70 75 80  
Val Glu Ala Phe Lys Thr Ala Lys Glu Pro Ile Val Val Gln Val Leu  
85 90 95  
Arg Arg Thr Pro Arg Thr Lys Met Phe Thr Pro  
100 105

<210> 91  
<211> 101  
<212> PRT  
<213> Homo sapiens

<400> 91  
Gln Glu Met Asp Arg Glu Glu Leu Glu Leu Glu Glu Val Asp Leu Tyr  
1 5 10 15  
Arg Met Asn Ser Gln Asp Lys Leu Gly Leu Thr Val Cys Tyr Arg Thr  
20 25 30  
Asp Asp Glu Asp Asp Ile Gly Ile Tyr Ile Ser Glu Ile Asp Pro Asn  
35 40 45  
Ser Ile Ala Ala Lys Asp Gly Arg Ile Arg Glu Gly Asp Arg Ile Ile  
50 55 60  
Gln Ile Asn Gly Ile Glu Val Gln Asn Arg Glu Ala Val Ala Leu  
65 70 75 80  
Leu Thr Ser Glu Glu Asn Lys Asn Phe Ser Leu Leu Ile Ala Arg Pro  
85 90 95  
Glu Leu Gln Leu Asp  
100

<210> 92  
<211> 91  
<212> PRT  
<213> Homo sapiens

<400> 92  
Arg Ser Phe Gln Tyr Val Pro Val Gln Leu Gln Gly Gly Ala Pro Trp  
1 5 10 15  
Gly Phe Thr Leu Lys Gly Gly Leu Glu His Cys Glu Pro Leu Thr Val  
20 25 30  
Ser Lys Ile Glu Asp Gly Gly Lys Ala Ala Leu Ser Gln Lys Met Arg  
35 40 45  
Thr Gly Asp Glu Leu Val Asn Ile Asn Gly Thr Pro Leu Tyr Gly Ser  
50 55 60  
Arg Gln Glu Ala Leu Ile Leu Ile Lys Gly Ser Phe Arg Ile Leu Lys

65 70 75 80  
Leu Ile Val Arg Arg Arg Asn Ala Pro Val Ser  
85 90

<210> 93  
<211> 102  
<212> PRT  
<213> Homo sapiens

<400> 93  
Ile Leu Glu Lys Leu Glu Leu Phe Pro Val Glu Leu Glu Lys Asp Glu  
1 5 10 15  
Asp Gly Leu Gly Ile Ser Ile Ile Gly Met Gly Val Gly Ala Asp Ala  
20 25 30  
Gly Leu Glu Lys Leu Gly Ile Phe Val Lys Thr Val Thr Glu Gly Gly  
35 40 45  
Ala Ala Gln Arg Asp Gly Arg Ile Gln Val Asn Asp Gln Ile Val Glu  
50 55 60  
Val Asp Gly Ile Ser Leu Val Gly Val Thr Gln Asn Phe Ala Ala Thr  
65 70 75 80  
Val Leu Arg Asn Thr Lys Gly Asn Val Arg Phe Val Ile Gly Arg Glu  
85 90 95  
Lys Pro Gly Gln Val Ser  
100

<210> 94  
<211> 113  
<212> PRT  
<213> Homo sapiens

<400> 94  
Lys Asp Val Asn Val Tyr Val Asn Pro Lys Lys Leu Thr Val Ile Lys  
1 5 10 15  
Ala Lys Glu Gln Leu Lys Leu Leu Glu Val Leu Val Gly Ile Ile His  
20 25 30  
Gln Thr Lys Trp Ser Trp Arg Arg Thr Gly Lys Gln Gly Asp Gly Glu  
35 40 45  
Arg Leu Val Val His Gly Leu Leu Pro Gly Gly Ser Ala Met Lys Ser  
50 55 60  
Gly Gln Val Leu Ile Gly Asp Val Leu Val Ala Val Asn Asp Val Asp  
65 70 75 80  
Val Thr Thr Glu Asn Ile Glu Arg Val Leu Ser Cys Ile Pro Gly Pro  
85 90 95  
Met Gln Val Lys Leu Thr Phe Glu Asn Ala Tyr Asp Val Lys Arg Glu  
100 105 110  
Thr

<210> 95  
<211> 90  
<212> PRT  
<213> Homo sapiens

<400> 95  
Thr Arg Gly Cys Glu Thr Val Glu Met Thr Leu Arg Arg Asn Gly Leu  
1 5 10 15  
Gly Gln Leu Gly Phe His Val Asn Phe Glu Gly Ile Val Ala Asp Val

20	25	30
Glu Pro Phe Gly Phe Ala Trp Lys Ala Gly Leu Arg Gln Gly Ser Arg		
35	40	45
Leu Val Glu Ile Cys Lys Val Ala Val Ala Thr Leu Thr His Glu Gln		
50	55	60
Met Ile Asp Leu Leu Arg Thr Ser Val Thr Val Lys Val Val Ile Ile		
65	70	75
Gln Pro His Asp Asp Gly Ser Pro Arg Arg		
85	90	

<210> 96

<211> 96

<212> PRT

<213> Homo sapiens

<400> 96

Val Glu Asn Ile Leu Ala Lys Arg Leu Leu Ile Leu Pro Gln Glu Glu			
1	5	10	15
Asp Tyr Gly Phe Asp Ile Glu Glu Lys Asn Lys Ala Val Val Val Lys			
20	25	30	
Ser Val Gln Arg Gly Ser Leu Ala Glu Val Ala Gly Leu Gln Val Gly			
35	40	45	
Arg Lys Ile Tyr Ser Ile Asn Glu Asp Leu Val Phe Leu Arg Pro Phe			
50	55	60	
Ser Glu Val Glu Ser Ile Leu Asn Gln Ser Phe Cys Ser Arg Arg Pro			
65	70	75	80
Leu Arg Leu Leu Val Ala Thr Lys Ala Lys Glu Ile Ile Lys Ile Pro			
85	90	95	

<210> 97

<211> 103

<212> PRT

<213> Homo sapiens

<400> 97

Pro Asp Ser Ala Gly Pro Gly Glu Val Arg Leu Val Ser Leu Arg Arg			
1	5	10	15
Ala Lys Ala His Glu Gly Leu Gly Phe Ser Ile Arg Gly Gly Ser Glu			
20	25	30	
His Gly Val Gly Ile Tyr Val Ser Leu Val Glu Pro Gly Ser Leu Ala			
35	40	45	
Glu Lys Glu Gly Leu Arg Val Gly Asp Gln Ile Leu Arg Val Asn Asp			
50	55	60	
Lys Ser Leu Ala Arg Val Thr His Ala Glu Ala Val Lys Ala Leu Lys			
65	70	75	80
Gly Ser Lys Lys Leu Val Leu Ser Val Tyr Ser Ala Gly Arg Ile Pro			
85	90	95	
Gly Gly Tyr Val Thr Asn His			
100			

<210> 98

<211> 100

<212> PRT

<213> Homo sapiens

<400> 98

Leu Gln Gly Gly Asp Glu Lys Lys Val Asn Leu Val Leu Gly Asp Gly

1	5	10	15
Arg Ser Leu Gly Leu Thr Ile Arg Gly Gly Ala Glu Tyr Gly Leu Gly			
20	25	30	
Ile Tyr Ile Thr Gly Val Asp Pro Gly Ser Glu Ala Glu Gly Ser Gly			
35	40	45	
Leu Lys Val Gly Asp Gln Ile Leu Glu Val Asn Trp Arg Ser Phe Leu			
50	55	60	
Asn Ile Leu His Asp Glu Ala Val Arg Leu Leu Lys Ser Ser Arg His			
65	70	75	80
Leu Ile Leu Thr Val Lys Asp Val Gly Arg Leu Pro His Ala Arg Thr			
85	90	95	
Thr Val Asp Glu			
100			

<210> 99  
 <211> 87  
 <212> PRT  
 <213> Homo sapiens

<400> 99			
Trp Thr Ser Gly Ala His Val His Ser Gly Pro Cys Glu Glu Lys Cys			
1	5	10	15
Gly His Pro Gly His Arg Gln Pro Leu Pro Arg Ile Val Thr Ile Gln			
20	25	30	
Arg Gly Gly Ser Ala His Asn Cys Gly Gln Leu Lys Val Gly His Val			
35	40	45	
Ile Leu Glu Val Asn Gly Leu Thr Leu Arg Gly Lys Glu His Arg Glu			
50	55	60	
Ala Ala Arg Ile Ile Ala Glu Ala Phe Lys Thr Lys Asp Arg Asp Tyr			
65	70	75	80
Ile Asp Phe Leu Asp Ser Leu			
85			

<210> 100  
 <211> 100  
 <212> PRT  
 <213> Homo sapiens

<400> 100			
Glu Leu Arg Arg Ala Glu Leu Val Glu Ile Ile Val Glu Thr Glu Ala			
1	5	10	15
Gln Thr Gly Val Ser Gly Ile Asn Val Ala Gly Gly Lys Glu Gly			
20	25	30	
Ile Phe Val Arg Glu Leu Arg Glu Asp Ser Pro Ala Ala Arg Ser Leu			
35	40	45	
Ser Leu Gln Glu Gly Asp Gln Leu Leu Ser Ala Arg Val Phe Phe Glu			
50	55	60	
Asn Phe Lys Tyr Glu Asp Ala Leu Arg Leu Leu Gln Cys Ala Glu Pro			
65	70	75	80
Tyr Lys Val Ser Phe Cys Leu Lys Arg Thr Val Pro Thr Gly Asp Leu			
85	90	95	
Ala Leu Arg Pro			
100			

<210> 101  
 <211> 102  
 <212> PRT

<213> Homo sapiens

<400> 101

Pro Ser Gln Leu Lys Gly Val Leu Val Arg Ala Ser Leu Lys Lys Ser  
1 5 10 15  
Thr Met Gly Phe Gly Phe Thr Ile Ile Gly Gly Asp Arg Pro Asp Glu  
20 25 30  
Phe Leu Gln Val Lys Asn Val Leu Lys Asp Gly Pro Ala Ala Gln Asp  
35 40 45  
Gly Lys Ile Ala Pro Gly Asp Val Ile Val Asp Ile Asn Gly Asn Cys  
50 55 60  
Val Leu Gly His Thr His Ala Asp Val Val Gln Met Phe Gln Leu Val  
65 70 75 80  
Pro Val Asn Gln Tyr Val Asn Leu Thr Leu Cys Arg Gly Tyr Pro Leu  
85 90 95  
Pro Asp Asp Ser Glu Asp  
100

<210> 102

<211> 100

<212> PRT

<213> Homo sapiens

<400> 102

Ala Ser Ser Gly Ser Ser Gln Pro Glu Leu Val Thr Ile Pro Leu Ile  
1 5 10 15  
Lys Gly Pro Lys Gly Phe Gly Phe Ala Ile Ala Asp Ser Pro Thr Gly  
20 25 30  
Gln Lys Val Lys Met Ile Leu Asp Ser Gln Trp Cys Gln Gly Leu Gln  
35 40 45  
Lys Gly Asp Ile Ile Lys Glu Ile Tyr His Gln Asn Val Gln Asn Leu  
50 55 60  
Thr His Leu Gln Val Val Glu Val Leu Lys Gln Phe Pro Val Gly Ala  
65 70 75 80  
Asp Val Pro Leu Leu Ile Leu Arg Gly Gly Pro Pro Ser Pro Thr Lys  
85 90 95  
Thr Ala Lys Met  
100

<210> 103

<211> 143

<212> PRT

<213> Homo sapiens

<400> 103

Leu Tyr Glu Asp Lys Pro Pro Leu Thr Asn Thr Phe Leu Ile Ser Asn  
1 5 10 15  
Pro Arg Thr Thr Ala Asp Pro Arg Ile Leu Tyr Glu Asp Lys Pro Pro  
20 25 30  
Asn Thr Lys Asp Leu Asp Val Phe Leu Arg Lys Gln Glu Ser Gly Phe  
35 40 45  
Gly Phe Arg Val Leu Gly Gly Asp Gly Pro Asp Gln Ser Ile Tyr Ile  
50 55 60  
Gly Ala Ile Ile Pro Leu Gly Ala Ala Glu Lys Asp Gly Arg Leu Arg  
65 70 75 80  
Ala Ala Asp Glu Leu Met Cys Ile Asp Gly Ile Pro Val Lys Gly Lys  
85 90 95  
Ser His Lys Gln Val Leu Asp Leu Met Thr Thr Ala Ala Arg Asn Gly

100	105	110
His Val Leu Leu Thr Val Arg Arg Lys Ile Phe Tyr Gly Glu Lys Gln		
115	120	125
Pro Glu Asp Asp Ser Gly Ser Pro Gly Ile His Arg Glu Leu Thr		
130	135	140

<210> 104  
 <211> 102  
 <212> PRT  
 <213> Homo sapiens

<400> 104				
Pro Ala Pro Gln Glu Pro Tyr Asp Val Val Leu Gln Arg Lys Glu Asn				
1	5	10	15	
Glu Gly Phe Gly Phe Val Ile Leu Thr Ser Lys Asn Lys Pro Pro Pro				
20	25		30	
Gly Val Ile Pro His Lys Ile Gly Arg Val Ile Glu Gly Ser Pro Ala				
35	40		45	
Asp Arg Cys Gly Lys Leu Lys Val Gly Asp His Ile Ser Ala Val Asn				
50	55		60	
Gly Gln Ser Ile Val Glu Leu Ser His Asp Asn Ile Val Gln Leu Ile				
65	70		75	80
Lys Asp Ala Gly Val Thr Val Thr Leu Thr Val Ile Ala Glu Glu Glu				
85	90		95	
His His Gly Pro Pro Ser				
100				

<210> 105  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

<400> 105				
Gln Asn Leu Gly Cys Tyr Pro Val Glu Leu Glu Arg Gly Pro Arg Gly				
1	5	10	15	
Phe Gly Phe Ser Leu Arg Gly Gly Lys Glu Tyr Asn Met Gly Leu Phe				
20	25		30	
Ile Leu Arg Leu Ala Glu Asp Gly Pro Ala Ile Lys Asp Gly Arg Ile				
35	40		45	
His Val Gly Asp Gln Ile Val Glu Ile Asn Gly Glu Pro Thr Gln Gly				
50	55		60	
Ile Thr His Thr Arg Ala Ile Glu Leu Ile Gln Ala Gly Gly Asn Lys				
65	70		75	80
Val Leu Leu Leu Leu Arg Pro Gly Thr Gly Leu Ile Pro Asp His Gly				
85	90		95	
Leu Ala				

<210> 106  
 <211> 84  
 <212> PRT  
 <213> Homo sapiens

<400> 106			
Ile Thr Val Val Glu Leu Ile Lys Lys Glu Gly Ser Thr Leu Gly Leu			
1	5	10	15
Thr Ile Ser Gly Gly Thr Asp Lys Asp Gly Lys Pro Arg Val Ser Asn			

20	25	30
Leu Arg Pro Gly Gly	Leu Ala Ala Arg Ser Asp	Leu Asn Ile Gly
35	40	45
Asp Tyr Ile Arg Ser Val Asn Gly Ile His	Leu Thr Arg Leu Arg His	
50	55	60
Asp Glu Ile Ile Thr Leu Leu Lys Asn Val Gly	Glu Arg Val Val Leu	
65	70	75
Glu Val Glu Tyr		80

<210> 107  
 <211> 92  
 <212> PRT  
 <213> Homo sapiens

<400> 107			
Ile Leu Asp Val Ser Leu Tyr Lys Glu Gly Asn Ser Phe Gly Phe Val			
1	5	10	15
Leu Arg Gly Gly Ala His Glu Asp Gly His Lys Ser Arg Pro Leu Val			
20	25	30	
Leu Thr Tyr Val Arg Pro Gly Gly Pro Ala Asp Arg Glu Gly Ser Leu			
35	40	45	
Lys Val Gly Asp Arg Leu Leu Ser Val Asp Gly Ile Pro Leu His Gly			
50	55	60	
Ala Ser His Ala Thr Ala Leu Ala Thr Leu Arg Gln Cys Ser His Glu			
65	70	75	80
Ala Leu Phe Gln Val Glu Tyr Asp Val Ala Thr Pro			
85	90		

<210> 108  
 <211> 102  
 <212> PRT  
 <213> Homo sapiens

<400> 108			
Ile His Thr Val Ala Asn Ala Ser Gly Pro Leu Met Val Glu Ile Val			
1	5	10	15
Lys Thr Pro Gly Ser Ala Leu Gly Ile Ser Leu Thr Thr Ser Leu			
20	25	30	
Arg Asn Lys Ser Val Ile Thr Ile Asp Arg Ile Lys Pro Ala Ser Val			
35	40	45	
Val Asp Arg Ser Gly Ala Leu His Pro Gly Asp His Ile Leu Ser Ile			
50	55	60	
Asp Gly Thr Ser Met Glu His Cys Ser Leu Leu Glu Ala Thr Lys Leu			
65	70	75	80
Leu Ala Ser Ile Ser Glu Lys Val Arg Leu Glu Ile Leu Pro Val Pro			
85	90	95	
Gln Ser Gln Arg Pro Leu			
100			

<210> 109  
 <211> 103  
 <212> PRT  
 <213> Homo sapiens

<400> 109
Ile Gln Ile Val His Thr Glu Thr Thr Glu Val Val Leu Cys Gly Asp

1	5	10	15												
Pro	Leu	Ser	Gly	Phe	Gly	Leu	Gln	Leu	Gln	Gly	Gly	Ile	Phe	Ala	Thr
20						25							30		
Glu	Thr	Leu	Ser	Ser	Pro	Pro	Leu	Val	Cys	Phe	Ile	Glu	Pro	Asp	Ser
35							40						45		
Pro	Ala	Glu	Arg	Cys	Gly	Leu	Leu	Gln	Val	Gly	Asp	Arg	Val	Leu	Ser
50						55							60		
Ile	Asn	Gly	Ile	Ala	Thr	Glu	Asp	Gly	Thr	Met	Glu	Glu	Ala	Asn	Gln
65						70				75			80		
Leu	Leu	Arg	Asp	Ala	Ala	Leu	Ala	His	Lys	Val	Val	Leu	Glu	Val	Glu
85							90						95		
Phe	Asp	Val	Ala	Glu	Ser	Val									
100															

<210> 110

<211> 103

<212> PRT

<213> Homo sapiens

<400> 110

1	5	10	15												
Ile	Gln	Phe	Asp	Val	Ala	Glu	Ser	Val	Ile	Pro	Ser	Ser	Gly	Thr	Phe
His	Val	Lys	Leu	Pro	Lys	Lys	Arg	Ser	Val	Glu	Leu	Gly	Ile	Thr	Ile
20							25						30		
Ser	Ser	Ala	Ser	Arg	Lys	Arg	Gly	Glu	Pro	Leu	Ile	Ile	Ser	Asp	Ile
35							40						45		
Lys	Lys	Gly	Ser	Val	Ala	His	Arg	Thr	Gly	Thr	Leu	Glu	Pro	Gly	Asp
50							55				60				
Lys	Leu	Leu	Ala	Ile	Asp	Asn	Ile	Arg	Leu	Asp	Asn	Cys	Pro	Met	Glu
65							70			75			80		
Asp	Ala	Val	Gln	Ile	Leu	Arg	Gln	Cys	Glu	Asp	Leu	Val	Lys	Leu	Lys
85								90					95		
Ile	Arg	Lys	Asp	Glu	Asp	Asn									
100															

<210> 111

<211> 94

<212> PRT

<213> Homo sapiens

<400> 111

1	5	10	15												
Ile	Gln	Thr	Thr	Gly	Ala	Val	Ser	Tyr	Thr	Val	Glu	Leu	Lys	Arg	Tyr
Gly	Gly	Pro	Leu	Gly	Ile	Thr	Ile	Ser	Gly	Thr	Glu	Glu	Pro	Phe	Asp
20							25						30		
Pro	Ile	Val	Ile	Ser	Gly	Leu	Thr	Lys	Arg	Gly	Leu	Ala	Glu	Arg	Thr
35							40						45		
Gly	Ala	Ile	His	Val	Gly	Asp	Arg	Ile	Leu	Ala	Ile	Asn	Asn	Val	Ser
50							55			60					
Leu	Lys	Gly	Arg	Pro	Leu	Ser	Glu	Ala	Ile	His	Leu	Leu	Gln	Val	Ala
65							70			75			80		
Gly	Glu	Thr	Val	Thr	Leu	Lys	Ile	Lys	Lys	Gln	Leu	Asp	Arg		
85								90							

<210> 112

<211> 105

<212> PRT

<213> Homo sapiens

<400> 112

Ile	Leu	Glu	Met	Glu	Glu	Leu	Leu	Leu	Pro	Thr	Pro	Leu	Glu	Met	His
1				5					10					15	
Lys	Val	Thr	Leu	His	Lys	Asp	Pro	Met	Arg	His	Asp	Phe	Gly	Phe	Ser
					20				25					30	
Val	Ser	Asp	Gly	Leu	Leu	Glu	Lys	Gly	Val	Tyr	Val	His	Thr	Val	Arg
					35				40					45	
Pro	Asp	Gly	Pro	Ala	His	Arg	Gly	Gly	Leu	Gln	Pro	Phe	Asp	Arg	Val
					50				55					60	
Leu	Gln	Val	Asn	His	Val	Arg	Thr	Arg	Asp	Phe	Asp	Cys	Cys	Leu	Ala
					65				70					75	
Val	Pro	Leu	Leu	Ala	Glu	Ala	Gly	Asp	Val	Leu	Glu	Leu	Ile	Ile	Ser
					85				90					95	
Arg	Lys	Pro	His	Thr	Ala	His	Ser	Ser							
					100									105	

<210> 113

<211> 91

<212> PRT

<213> Homo sapiens

<400> 113

Met	Ala	Leu	Thr	Val	Asp	Val	Ala	Gly	Pro	Ala	Pro	Trp	Gly	Phe	Arg
1				5					10					15	
Ile	Thr	Gly	Gly	Arg	Asp	Phe	His	Thr	Pro	Ile	Met	Val	Thr	Lys	Val
					20				25					30	
Ala	Glu	Arg	Gly	Lys	Ala	Lys	Asp	Ala	Asp	Leu	Arg	Pro	Gly	Asp	Ile
					35				40					45	
Ile	Val	Ala	Ile	Asn	Gly	Glu	Ser	Ala	Glu	Gly	Met	Leu	His	Ala	Glu
					50				55					60	
Ala	Gln	Ser	Lys	Ile	Arg	Gln	Ser	Pro	Ser	Pro	Leu	Arg	Leu	Gln	Leu
					65				70					75	
Asp	Arg	Ser	Gln	Ala	Thr	Ser	Pro	Gly	Gln	Thr					80
					85									90	

<210> 114

<211> 84

<212> PRT

<213> Homo sapiens

<400> 114

Ser	Asn	Tyr	Ser	Val	Ser	Leu	Val	Gly	Pro	Ala	Pro	Trp	Gly	Phe	Arg
1				5					10					15	
Leu	Gln	Gly	Gly	Lys	Asp	Phe	Asn	Met	Pro	Leu	Thr	Ile	Ser	Ser	Leu
					20				25					30	
Lys	Asp	Gly	Gly	Lys	Ala	Ala	Gln	Ala	Asn	Val	Arg	Ile	Gly	Asp	Val
					35				40					45	
Val	Leu	Ser	Ile	Asp	Gly	Ile	Asn	Ala	Gln	Gly	Met	Thr	His	Leu	Glu
					50				55					60	
Ala	Gln	Asn	Lys	Ile	Lys	Gly	Cys	Thr	Gly	Ser	Leu	Asn	Met	Thr	Leu
					65				70					75	
Gln	Arg	Ala	Ser											80	

<210> 115

<211> 133  
<212> PRT  
<213> Homo sapiens

<400> 115

Thr	Leu	Val	Glu	His	Ser	Lys	Leu	Tyr	Cys	Gly	His	Cys	Tyr	Tyr	Gln
1															
															15
Thr	Val	Val	Thr	Pro	Val	Ile	Glu	Gln	Ile	Leu	Pro	Asp	Ser	Pro	Gly
															30
Ser	His	Leu	Pro	His	Thr	Val	Thr	Leu	Val	Ser	Ile	Pro	Ala	Ser	Ser
															45
His	Gly	Lys	Arg	Gly	Leu	Ser	Val	Ser	Ile	Asp	Pro	Pro	His	Gly	Pro
															60
Pro	Gly	Cys	Gly	Thr	Glu	His	Ser	His	Thr	Val	Arg	Val	Gln	Gly	Val
															80
Asp	Pro	Gly	Cys	Met	Ser	Pro	Asp	Val	Lys	Asn	Ser	Ile	His	Val	Gly
															95
Asp	Arg	Ile	Leu	Glu	Ile	Asn	Gly	Thr	Pro	Ile	Arg	Asn	Val	Pro	Leu
															110
Asp	Glu	Ile	Asp	Leu	Leu	Ile	Gln	Glu	Thr	Ser	Arg	Leu	Leu	Gln	Leu
															125
Thr	Leu	Glu	His	Asp											
															130

<210> 116  
<211> 92  
<212> PRT  
<213> Homo sapiens

<400> 116

Pro	Tyr	Ser	Val	Thr	Leu	Ile	Ser	Met	Pro	Ala	Thr	Thr	Glu	Gly	Arg
1															
															15
Arg	Gly	Phe	Ser	Val	Ser	Val	Glu	Ser	Ala	Cys	Ser	Asn	Tyr	Ala	Thr
															30
Thr	Val	Gln	Val	Lys	Glu	Val	Asn	Arg	Met	His	Ile	Ser	Pro	Asn	Asn
															45
Arg	Asn	Ala	Ile	His	Pro	Gly	Asp	Arg	Ile	Leu	Glu	Ile	Asn	Gly	Thr
															60
Pro	Val	Arg	Thr	Leu	Arg	Val	Glu	Glu	Val	Glu	Asp	Ala	Ile	Ser	Gln
															80
Thr	Ser	Gln	Thr	Leu	Gln	Leu	Leu	Ile	Glu	His	Asp				
															85
															90

<210> 117  
<211> 82  
<212> PRT  
<213> Homo sapiens

<400> 117

Ile	His	Ser	Val	Thr	Leu	Arg	Gly	Pro	Ser	Pro	Trp	Gly	Phe	Arg	Leu
1															
															15
Val	Gly	Arg	Asp	Phe	Ser	Ala	Pro	Leu	Thr	Ile	Ser	Arg	Val	His	Ala
															30
Gly	Ser	Lys	Ala	Ser	Leu	Ala	Ala	Leu	Cys	Pro	Gly	Asp	Leu	Ile	Gln
															45
Ala	Ile	Asn	Gly	Glu	Ser	Thr	Glu	Leu	Met	Thr	His	Leu	Glu	Ala	Gln
															50
Asn	Arg	Ile	Lys	Gly	Cys	His	Asp	His	Leu	Thr	Leu	Ser	Val	Ser	Arg
															55
															60

65  
Pro Glu

70

75

80

<210> 118

<211> 74

<212> PRT

<213> Homo sapiens

<400> 118

Val Cys Tyr Arg Thr Asp Asp Glu Glu Asp Leu Gly Ile Tyr Val Gly  
1 5 10 15  
Glu Val Asn Pro Asn Ser Ile Ala Ala Lys Asp Gly Arg Ile Arg Glu  
20 25 30  
Gly Asp Arg Ile Ile Gln Ile Asn Gly Val Asp Val Gln Asn Arg Glu  
35 40 45  
Glu Ala Val Ala Ile Leu Ser Gln Glu Glu Asn Thr Asn Ile Ser Leu  
50 55 60  
Leu Val Ala Arg Pro Glu Ser Gln Leu Ala  
65 70

<210> 119

<211> 103

<212> PRT

<213> Homo sapiens

<400> 119

Ile Gln Lys Lys Asn His Trp Thr Ser Arg Val His Glu Cys Thr Val  
1 5 10 15  
Lys Arg Gly Pro Gln Gly Glu Leu Gly Val Thr Val Leu Gly Gly Ala  
20 25 30  
Glu His Gly Glu Phe Pro Tyr Val Gly Ala Val Ala Val Glu Ala  
35 40 45  
Ala Gly Leu Pro Gly Gly Glu Gly Pro Arg Leu Gly Glu Gly Glu  
50 55 60  
Leu Leu Leu Glu Val Gln Gly Val Arg Val Ser Gly Leu Pro Arg Tyr  
65 70 75 80  
Asp Val Leu Gly Val Ile Asp Ser Cys Lys Glu Ala Val Thr Phe Lys  
85 90 95  
Ala Val Arg Gln Gly Gly Arg  
100

<210> 120

<211> 104

<212> PRT

<213> Homo sapiens

<400> 120

Pro Ser Glu Leu Lys Gly Lys Phe Ile His Thr Lys Leu Arg Lys Ser  
1 5 10 15  
Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu Pro Asp Glu  
20 25 30  
Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala Ala Leu Asp  
35 40 45  
Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn Asp Thr Cys  
50 55 60  
Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe Gln Ser Ile

65 70 75 80  
Pro Ile Gly Ala Ser Val Asp Leu Glu Leu Cys Arg Gly Tyr Pro Leu  
85 90 95  
Pro Phe Asp Pro Asp Asp Pro Asn  
100

<210> 121  
<211> 92  
<212> PRT  
<213> Homo sapiens

<400> 121  
Pro Ala Thr Gln Pro Glu Leu Ile Thr Val His Ile Val Lys Gly Pro  
1 5 10 15  
Met Gly Phe Gly Phe Thr Ile Ala Asp Ser Pro Gly Gly Gly Gln  
20 25 30  
Arg Val Lys Gln Ile Val Asp Ser Pro Arg Cys Arg Gly Leu Lys Glu  
35 40 45  
Gly Asp Leu Ile Val Glu Val Asn Lys Lys Asn Val Gln Ala Leu Thr  
50 55 60  
His Asn Gln Val Val Asp Met Leu Val Glu Cys Pro Lys Gly Ser Glu  
65 70 75 80  
Val Thr Leu Leu Val Gln Arg Gly Gly Asn Leu Ser  
85 90

<210> 122  
<211> 102  
<212> PRT  
<213> Homo sapiens

<400> 122  
Pro Asp Tyr Gln Glu Gln Asp Ile Phe Leu Trp Arg Lys Glu Thr Gly  
1 5 10 15  
Phe Gly Phe Arg Ile Leu Gly Gly Asn Glu Pro Gly Glu Pro Ile Tyr  
20 25 30  
Ile Gly His Ile Val Pro Leu Gly Ala Ala Asp Thr Asp Gly Arg Leu  
35 40 45  
Arg Ser Gly Asp Glu Leu Ile Cys Val Asp Gly Thr Pro Val Ile Gly  
50 55 60  
Lys Ser His Gln Leu Val Val Gln Leu Met Gln Gln Ala Ala Lys Gln  
65 70 75 80  
Gly His Val Asn Leu Thr Val Arg Arg Lys Val Val Phe Ala Val Pro  
85 90 95  
Lys Thr Glu Asn Ser Ser  
100

<210> 123  
<211> 112  
<212> PRT  
<213> Homo sapiens

<400> 123  
Gly Val Val Ser Thr Val Val Gln Pro Tyr Asp Val Glu Ile Arg Arg  
1 5 10 15  
Gly Glu Asn Glu Gly Phe Gly Phe Val Ile Val Ser Ser Val Ser Arg  
20 25 30  
Pro Glu Ala Gly Thr Thr Phe Ala Gly Asn Ala Cys Val Ala Met Pro

35	40	45	
His Lys Ile Gly Arg Ile Ile	Glu Gly Ser Pro Ala Asp Arg Cys Gly		
50	55	60	
Lys Leu Lys Val Gly Asp Arg Ile Leu Ala Val Asn Gly Cys Ser Ile			
65	70	75	80
Thr Asn Lys Ser His Ser Asp Ile Val Asn Leu Ile Lys Glu Ala Gly			
85	90	95	
Asn Thr Val Thr Leu Arg Ile Ile Pro Gly Asp Glu Ser Ser Asn Ala			
100	105	110	

<210> 124  
 <211> 91  
 <212> PRT  
 <213> Homo sapiens

<400> 124  
 Gln Ala Thr Gln Glu Gln Asp Phe Tyr Thr Val Glu Leu Glu Arg Gly  
 1 5 10 15  
 Ala Lys Gly Phe Gly Phe Ser Leu Arg Gly Gly Arg Glu Tyr Asn Met  
 20 25 30  
 Asp Leu Tyr Val Leu Arg Leu Ala Glu Asp Gly Pro Ala Glu Arg Cys  
 35 40 45  
 Gly Lys Met Arg Ile Gly Asp Glu Ile Leu Glu Ile Asn Gly Glu Thr  
 50 55 60  
 Thr Lys Asn Met Lys His Ser Arg Ala Ile Glu Leu Ile Lys Asn Gly  
 65 70 75 80  
 Gly Arg Arg Val Arg Leu Phe Leu Lys Arg Gly  
 85 90

<210> 125  
 <211> 100  
 <212> PRT  
 <213> Homo sapiens

<400> 125  
 Pro Ala Lys Met Glu Lys Glu Glu Thr Thr Arg Glu Leu Leu Pro  
 1 5 10 15  
 Asn Trp Gln Gly Ser Gly Ser His Gly Leu Thr Ile Ala Gln Arg Asp  
 20 25 30  
 Asp Gly Val Phe Val Gln Glu Val Thr Gln Asn Ser Pro Ala Ala Arg  
 35 40 45  
 Thr Gly Val Val Lys Glu Gly Asp Gln Ile Val Gly Ala Thr Ile Tyr  
 50 55 60  
 Phe Asp Asn Leu Gln Ser Gly Glu Val Thr Gln Leu Leu Asn Thr Met  
 65 70 75 80  
 Gly His His Thr Val Gly Leu Lys Leu His Arg Lys Gly Asp Arg Ser  
 85 90 95  
 Pro Asn Ser Ser  
 100

<210> 126  
 <211> 97  
 <212> PRT  
 <213> Homo sapiens

<400> 126  
 Ser Glu Asn Cys Lys Val Phe Ile Glu Lys Gln Lys Gly Glu Ile Leu

1	5	10	15
Gly Val Val Ile Val Glu Ser Gly Trp	Gly Ser Ile Leu Pro Thr Val		
20	25	30	
Ile Ile Ala Asn Met Met His Gly Gly Pro Ala Glu Lys Ser Gly Lys			
35	40	45	
Leu Asn Ile Gly Asp Gln Ile Met Ser Ile Asn Gly Thr Ser Leu Val			
50	55	60	
Gly Leu Pro Leu Ser Thr Cys Gln Ser Ile Ile Lys Gly Leu Lys Asn			
65	70	75	80
Gln Ser Arg Val Lys Leu Asn Ile Val Arg Cys Pro Pro Val Asn Ser			
85	90	95	
Ser			

<210> 127  
<211> 92  
<212> PRT  
<213> Homo sapiens

1	5	10	15
Leu Arg Cys Pro Pro Val Thr Thr Val Leu Ile Arg Arg Pro Asp Leu			
Arg Tyr Gln Leu Gly Phe Ser Val Gln Asn Gly Ile Ile Cys Ser Leu			
20	25	30	
Met Arg Gly Gly Ile Ala Glu Arg Gly Gly Val Arg Val Gly His Arg			
35	40	45	
Ile Ile Glu Ile Asn Gly Gln Ser Val Val Ala Thr Pro His Glu Lys			
50	55	60	
Ile Val His Ile Leu Ser Asn Ala Val Gly Glu Ile His Met Lys Thr			
65	70	75	80
Met Pro Ala Ala Met Tyr Arg Leu Leu Asn Ser Ser			
85	90		

<210> 128  
<211> 103  
<212> PRT  
<213> Homo sapiens

1	5	10	15
Leu Ser Asn Ser Asp Asn Cys Arg Glu Val His Leu Glu Lys Arg Arg			
Gly Glu Gly Leu Gly Val Ala Leu Val Glu Ser Gly Trp Gly Ser Leu			
20	25	30	
Leu Pro Thr Ala Val Ile Ala Asn Leu Leu His Gly Gly Pro Ala Glu			
35	40	45	
Arg Ser Gly Ala Leu Ser Ile Gly Asp Arg Leu Thr Ala Ile Asn Gly			
50	55	60	
Thr Ser Leu Val Gly Leu Pro Leu Ala Ala Cys Gln Ala Ala Val Arg			
65	70	75	80
Glu Thr Lys Ser Gln Thr Ser Val Thr Leu Ser Ile Val His Cys Pro			
85	90	95	
Pro Val Thr Thr Ala Ile Met			
100			

<210> 129  
<211> 92  
<212> PRT

<213> Homo sapiens

<400> 129

Leu	Val	His	Cys	Pro	Pro	Val	Thr	Thr	Ala	Ile	Ile	His	Arg	Pro	His
1			5						10			15			
Ala	Arg	Glu	Gln	Leu	Gly	Phe	Cys	Val	Glu	Asp	Gly	Ile	Ile	Cys	Ser
		20					25					30			
Leu	Leu	Arg	Gly	Gly	Ile	Ala	Glu	Arg	Gly	Gly	Ile	Arg	Val	Gly	His
		35				40					45				
Arg	Ile	Ile	Glu	Ile	Asn	Gly	Gln	Ser	Val	Val	Ala	Thr	Pro	His	Ala
		50			55				60						
Arg	Ile	Ile	Glu	Leu	Leu	Thr	Glu	Ala	Tyr	Gly	Glu	Val	His	Ile	Lys
		65			70				75				80		
Thr	Met	Pro	Ala	Ala	Thr	Tyr	Arg	Leu	Leu	Thr	Gly				
					85			90							

<210> 130

<211> 86

<212> PRT

<213> Homo sapiens

<400> 130

Arg	Lys	Val	Arg	Leu	Ile	Gln	Phe	Glu	Lys	Val	Thr	Glu	Glu	Pro	Met
1				5					10			15			
Gly	Ile	Thr	Leu	Lys	Leu	Asn	Glu	Lys	Gln	Ser	Cys	Thr	Val	Ala	Arg
		20				25					30				
Ile	Leu	His	Gly	Gly	Met	Ile	His	Arg	Gln	Gly	Ser	Leu	His	Val	Gly
		35				40					45				
Asp	Glu	Ile	Leu	Glu	Ile	Asn	Gly	Thr	Asn	Val	Thr	Asn	His	Ser	Val
		50			55				60						
Asp	Gln	Leu	Gln	Lys	Ala	Met	Lys	Glu	Thr	Lys	Gly	Met	Ile	Ser	Leu
		65			70				75				80		
Lys	Val	Ile	Pro	Asn	Gln										
					85										

<210> 131

<211> 89

<212> PRT

<213> Homo sapiens

<400> 131

Pro	Val	Pro	Pro	Asp	Ala	Val	Arg	Met	Val	Gly	Ile	Arg	Lys	Thr	Ala
1				5				10			15				
Gly	Glu	His	Leu	Gly	Val	Thr	Phe	Arg	Val	Glu	Gly	Gly	Glu	Leu	Val
		20				25					30				
Ile	Ala	Arg	Ile	Leu	His	Gly	Gly	Met	Val	Ala	Gln	Gln	Gly	Leu	Leu
		35				40					45				
His	Val	Gly	Asp	Ile	Ile	Lys	Glu	Val	Asn	Gly	Gln	Pro	Val	Gly	Ser
		50			55				60						
Asp	Pro	Arg	Ala	Leu	Gln	Glu	Leu	Leu	Arg	Asn	Ala	Ser	Gly	Ser	Val
		65			70				75			80			
Ile	Leu	Lys	Ile	Leu	Pro	Asn	Tyr	Gln							
					85										

<210> 132

<211> 99

<212> PRT

<213> Homo sapiens

<400> 132

Gln	Gly	Arg	His	Val	Glu	Val	Phe	Glu	Leu	Leu	Lys	Pro	Pro	Ser	Gly
1				5					10				15		
Gly	Leu	Gly	Phe	Ser	Val	Val	Gly	Leu	Arg	Ser	Glu	Asn	Arg	Gly	Glu
					20				25				30		
Leu	Gly	Ile	Phe	Val	Gln	Glu	Ile	Gln	Glu	Gly	Ser	Val	Ala	His	Arg
					35				40				45		
Asp	Gly	Arg	Leu	Lys	Glu	Thr	Asp	Gln	Ile	Leu	Ala	Ile	Asn	Gly	Gln
					50				55				60		
Ala	Leu	Asp	Gln	Thr	Ile	Thr	His	Gln	Gln	Ala	Ile	Ser	Ile	Leu	Gln
					65				70				75		80
Lys	Ala	Lys	Asp	Thr	Val	Gln	Leu	Val	Ile	Ala	Arg	Gly	Ser	Leu	Pro
					85				90				95		
Gln	Leu	Val													

<210> 133

<211> 97

<212> PRT

<213> Homo sapiens

<400> 133

Pro	Val	His	Trp	Gln	His	Met	Glu	Thr	Ile	Glu	Leu	Val	Asn	Asp	Gly
1						5				10				15	
Ser	Gly	Leu	Gly	Phe	Gly	Ile	Ile	Gly	Gly	Lys	Ala	Thr	Gly	Val	Ile
						20				25				30	
Val	Lys	Thr	Ile	Leu	Pro	Gly	Gly	Val	Ala	Asp	Gln	His	Gly	Arg	Leu
						35				40				45	
Cys	Ser	Gly	Asp	His	Ile	Leu	Lys	Ile	Gly	Asp	Thr	Asp	Leu	Ala	Gly
						50				55				60	
Met	Ser	Ser	Glu	Gln	Val	Ala	Gln	Val	Leu	Arg	Gln	Cys	Gly	Asn	Arg
						65				70				75	80
Val	Lys	Leu	Met	Ile	Ala	Arg	Gly	Ala	Ile	Glu	Glu	Arg	Thr	Ala	Pro
						85				90				95	
Thr															

<210> 134

<211> 98

<212> PRT

<213> Homo sapiens

<400> 134

Gln	Glu	Ser	Glu	Thr	Phe	Asp	Val	Glu	Leu	Thr	Lys	Asn	Val	Gln	Gly
1						5				10				15	
Leu	Gly	Ile	Thr	Ile	Ala	Gly	Tyr	Ile	Gly	Asp	Lys	Lys	Leu	Glu	Pro
						20				25				30	
Ser	Gly	Ile	Phe	Val	Lys	Ser	Ile	Thr	Lys	Ser	Ser	Ala	Val	Glu	His
						35				40				45	
Asp	Gly	Arg	Ile	Gln	Ile	Gly	Asp	Gln	Ile	Ile	Ala	Val	Asp	Gly	Thr
						50				55				60	
Asn	Leu	Gln	Gly	Phe	Thr	Asn	Gln	Gln	Ala	Val	Glu	Val	Leu	Arg	His
						65				70				75	80
Thr	Gly	Gln	Thr	Val	Leu	Leu	Thr	Leu	Met	Arg	Arg	Gly	Met	Lys	Gln
						85				90				95	
Glu	Ala														

<210> 135  
<211> 92  
<212> PRT  
<213> Homo sapiens

<400> 135  
Leu Asn Tyr Glu Ile Val Val Ala His Val Ser Lys Phe Ser Glu Asn  
1 5 10 15  
Ser Gly Leu Gly Ile Ser Leu Glu Ala Thr Val Gly His His Phe Ile  
20 25 30  
Arg Ser Val Leu Pro Glu Gly Pro Val Gly His Ser Gly Lys Leu Phe  
35 40 45  
Ser Gly Asp Glu Leu Leu Glu Val Asn Gly Ile Thr Leu Leu Gly Glu  
50 55 60  
Asn His Gln Asp Val Val Asn Ile Leu Lys Glu Leu Pro Ile Glu Val  
65 70 75 80  
Thr Met Val Cys Cys Arg Arg Thr Val Pro Pro Thr  
85 90

<210> 136  
<211> 100  
<212> PRT  
<213> Homo sapiens

<400> 136  
Trp Glu Ala Gly Ile Gln His Ile Glu Leu Glu Lys Gly Ser Lys Gly  
1 5 10 15  
Leu Gly Phe Ser Ile Leu Asp Tyr Gln Asp Pro Ile Asp Pro Ala Ser  
20 25 30  
Thr Val Ile Ile Ile Arg Ser Leu Val Pro Gly Gly Ile Ala Glu Lys  
35 40 45  
Asp Gly Arg Leu Leu Pro Gly Asp Arg Leu Met Phe Val Asn Asp Val  
50 55 60  
Asn Leu Glu Asn Ser Ser Leu Glu Glu Ala Val Glu Ala Leu Lys Gly  
65 70 75 80  
Ala Pro Ser Gly Thr Val Arg Ile Gly Val Ala Lys Pro Leu Pro Leu  
85 90 95  
Ser Pro Glu Glu  
100

<210> 137  
<211> 99  
<212> PRT  
<213> Homo sapiens

<400> 137  
Arg Asn Val Ser Lys Glu Ser Phe Glu Arg Thr Ile Asn Ile Ala Lys  
1 5 10 15  
Gly Asn Ser Ser Leu Gly Met Thr Val Ser Ala Asn Lys Asp Gly Leu  
20 25 30  
Gly Met Ile Val Arg Ser Ile Ile His Gly Gly Ala Ile Ser Arg Asp  
35 40 45  
Gly Arg Ile Ala Ile Gly Asp Cys Ile Leu Ser Ile Asn Glu Glu Ser  
50 55 60  
Thr Ile Ser Val Thr Asn Ala Gln Ala Arg Ala Met Leu Arg Arg His

65 70 75 80  
Ser Leu Ile Gly Pro Asp Ile Lys Ile Thr Tyr Val Pro Ala Glu His  
85 90 95  
Leu Glu Glu

<210> 138  
<211> 112  
<212> PRT  
<213> Homo sapiens

<400> 138  
Leu Asn Trp Asn Gln Pro Arg Arg Val Glu Leu Trp Arg Glu Pro Ser  
1 5 10 15  
Lys Ser Leu Gly Ile Ser Ile Val Gly Gly Arg Gly Met Gly Ser Arg  
20 25 30  
Leu Ser Asn Gly Glu Val Met Arg Gly Ile Phe Ile Lys His Val Leu  
35 40 45  
Glu Asp Ser Pro Ala Gly Lys Asn Gly Thr Leu Lys Pro Gly Asp Arg  
50 55 60  
Ile Val Glu Val Asp Gly Met Asp Leu Arg Asp Ala Ser His Glu Gln  
65 70 75 80  
Ala Val Glu Ala Ile Arg Lys Ala Gly Asn Pro Val Val Phe Met Val  
85 90 95  
Gln Ser Ile Ile Asn Arg Pro Arg Lys Ser Pro Leu Pro Ser Leu Leu  
100 105 110

<210> 139  
<211> 95  
<212> PRT  
<213> Homo sapiens

<400> 139  
Leu Thr Gly Glu Leu His Met Ile Glu Leu Glu Lys Gly His Ser Gly  
1 5 10 15  
Leu Gly Leu Ser Leu Ala Gly Asn Lys Asp Arg Ser Arg Met Ser Val  
20 25 30  
Phe Ile Val Gly Ile Asp Pro Asn Gly Ala Ala Gly Lys Asp Gly Arg  
35 40 45  
Leu Gln Ile Ala Asp Glu Leu Leu Glu Ile Asn Gly Gln Ile Leu Tyr  
50 55 60  
Gly Arg Ser His Gln Asn Ala Ser Ser Ile Ile Lys Cys Ala Pro Ser  
65 70 75 80  
Lys Val Lys Ile Ile Phe Ile Arg Asn Lys Asp Ala Val Asn Gln  
85 90 95

<210> 140  
<211> 94  
<212> PRT  
<213> Homo sapiens

<400> 140  
Leu Ser Ser Phe Lys Asn Val Gln His Leu Glu Leu Pro Lys Asp Gln  
1 5 10 15  
Gly Gly Leu Gly Ile Ala Ile Ser Glu Glu Asp Thr Leu Ser Gly Val  
20 25 30  
Ile Ile Lys Ser Leu Thr Glu His Gly Val Ala Ala Thr Asp Gly Arg

35	40	45
Leu Lys Val Gly Asp Gln Ile	Leu Ala Val Asp Asp	Glu Ile Val Val
50	55	60
Gly Tyr Pro Ile Glu Lys Phe Ile Ser Leu	Leu Lys Thr Ala Lys Met	
65	70	75
Thr Val Lys Leu Thr Ile His Ala Glu Asn Pro Asp Ser Gln		80
85	90	

<210> 141  
<211> 95  
<212> PRT  
<213> Homo sapiens

<400> 141			
Leu Pro Gly Cys Glu Thr Thr Ile Glu Ile Ser Lys Gly Arg Thr Gly			
1	5	10	15
Leu Gly Leu Ser Ile Val Gly Gly Ser Asp Thr Leu Leu Gly Ala Ile			
20	25	30	
Ile Ile His Glu Val Tyr Glu Glu Gly Ala Ala Cys Lys Asp Gly Arg			
35	40	45	
Leu Trp Ala Gly Asp Gln Ile Leu Glu Val Asn Gly Ile Asp Leu Arg			
50	55	60	
Lys Ala Thr His Asp Glu Ala Ile Asn Val Leu Arg Gln Thr Pro Gln			
65	70	75	80
Arg Val Arg Leu Thr Leu Tyr Arg Asp Glu Ala Pro Tyr Lys Glu			
85	90	95	

<210> 142  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 142			
Lys Glu Glu Glu Val Cys Asp Thr Leu Thr Ile Glu Leu Gln Lys Lys			
1	5	10	15
Pro Gly Lys Gly Leu Gly Leu Ser Ile Val Gly Lys Arg Asn Asp Thr			
20	25	30	
Gly Val Phe Val Ser Asp Ile Val Lys Gly Gly Ile Ala Asp Ala Asp			
35	40	45	
Gly Arg Leu Met Gln Gly Asp Gln Ile Leu Met Val Asn Gly Glu Asp			
50	55	60	
Val Arg Asn Ala Thr Gln Glu Ala Val Ala Ala Leu Leu Lys Cys Ser			
65	70	75	80
Leu Gly Thr Val Thr Leu Glu Val Gly Arg Ile Lys Ala Gly Pro Phe			
85	90	95	
His Ser			

<210> 143  
<211> 96  
<212> PRT  
<213> Homo sapiens

<400> 143			
Leu Gln Gly Leu Arg Thr Val Glu Met Lys Lys Gly Pro Thr Asp Ser			
1	5	10	15
Leu Gly Ile Ser Ile Ala Gly Gly Val Gly Ser Pro Leu Gly Asp Val			

20	25	30
Pro Ile Phe Ile Ala Met Met His	Pro Thr Gly Val Ala Ala Gln Thr	
35	40	45
Gln Lys Leu Arg Val Gly Asp Arg	Ile Val Thr Ile Cys Gly Thr Ser	
50	55	60
Thr Glu Gly Met Thr His Thr Gln Ala Val Asn Leu Leu Lys Asn Ala		
65	70	75
Ser Gly Ser Ile Glu Met Gln Val Val Ala Gly Gly Asp Val Ser Val		
85	90	95

<210> 144  
 <211> 91  
 <212> PRT  
 <213> Homo sapiens

<400> 144  
 Leu Gly Pro Pro Gln Cys Lys Ser Ile Thr Leu Glu Arg Gly Pro Asp  
 1                   5                   10                   15  
 Gly Leu Gly Phe Ser Ile Val Gly Gly Tyr Gly Ser Pro His Gly Asp  
 20                   25                   30  
 Leu Pro Ile Tyr Val Lys Thr Val Phe Ala Lys Gly Ala Ala Ser Glu  
 35                   40                   45  
 Asp Gly Arg Leu Lys Arg Gly Asp Gln Ile Ile Ala Val Asn Gly Gln  
 50                   55                   60  
 Ser Leu Glu Gly Val Thr His Glu Glu Ala Val Ala Ile Leu Lys Arg  
 65                   70                   75                   80  
 Thr Lys Gly Thr Val Thr Leu Met Val Leu Ser  
 85                   90

<210> 145  
 <211> 93  
 <212> PRT  
 <213> Homo sapiens

<400> 145  
 Ile Gln Tyr Glu Glu Ile Val Leu Glu Arg Gly Asn Ser Gly Leu Gly  
 1                   5                   10                   15  
 Phe Ser Ile Ala Gly Gly Ile Asp Asn Pro His Val Pro Asp Asp Pro  
 20                   25                   30  
 Gly Ile Phe Ile Thr Lys Ile Ile Pro Gly Gly Ala Ala Ala Met Asp  
 35                   40                   45  
 Gly Arg Leu Gly Val Asn Asp Cys Val Leu Arg Val Asn Glu Val Glu  
 50                   55                   60  
 Val Ser Glu Val Val His Ser Arg Ala Val Glu Ala Leu Lys Glu Ala  
 65                   70                   75                   80  
 Gly Pro Val Val Arg Leu Val Val Arg Arg Arg Gln Asn  
 85                   90

<210> 146  
 <211> 90  
 <212> PRT  
 <213> Homo sapiens

<400> 146  
 Ile Thr Leu Leu Lys Gly Pro Lys Gly Leu Gly Phe Ser Ile Ala Gly  
 1                   5                   10                   15  
 Gly Ile Gly Asn Gln His Ile Pro Gly Asp Asn Ser Ile Tyr Ile Thr

20	25	30
Lys Ile Ile Glu Gly Gly Ala Ala Gln Lys Asp Gly Arg Leu Gln Ile		
35	40	45
Gly Asp Arg Leu Leu Ala Val Asn Asn Thr Asn Leu Gln Asp Val Arg		
50	55	60
His Glu Glu Ala Val Ala Ser Leu Lys Asn Thr Ser Asp Met Val Tyr		
65	70	75
Leu Lys Val Ala Lys Pro Gly Ser Leu Glu		
85	90	

<210> 147  
 <211> 119  
 <212> PRT  
 <213> Homo sapiens

<400> 147  
 Ile Leu Leu His Lys Gly Ser Thr Gly Leu Gly Phe Asn Ile Val Gly  
 1 5 10 15  
 Gly Glu Asp Gly Glu Gly Ile Phe Val Ser Phe Ile Leu Ala Gly Gly  
 20 25 30  
 Pro Ala Asp Leu Ser Gly Glu Leu Arg Arg Gly Asp Arg Ile Leu Ser  
 35 40 45  
 Val Asn Gly Val Asn Leu Arg Asn Ala Thr His Glu Gln Ala Ala Ala  
 50 55 60  
 Ala Leu Lys Arg Ala Gly Gln Ser Val Thr Ile Val Ala Gln Tyr Arg  
 65 70 75 80  
 Pro Glu Glu Tyr Ser Arg Phe Glu Ser Lys Ile His Asp Leu Arg Glu  
 85 90 95  
 Gln Met Met Asn Ser Ser Met Ser Ser Gly Ser Gly Ser Leu Arg Thr  
 100 105 110  
 Ser Glu Lys Arg Ser Leu Glu  
 115

<210> 148  
 <211> 111  
 <212> PRT  
 <213> Homo sapiens

<400> 148  
 Cys Val Glu Arg Leu Glu Leu Phe Pro Val Glu Leu Glu Lys Asp Ser  
 1 5 10 15  
 Glu Gly Leu Gly Ile Ser Ile Ile Gly Met Gly Ala Gly Ala Asp Met  
 20 25 30  
 Gly Leu Glu Lys Leu Gly Ile Phe Val Lys Thr Val Thr Glu Gly Gly  
 35 40 45  
 Ala Ala His Arg Asp Gly Arg Ile Gln Val Asn Asp Leu Leu Val Glu  
 50 55 60  
 Val Asp Gly Thr Ser Leu Val Gly Val Thr Gln Ser Phe Ala Ala Ser  
 65 70 75 80  
 Val Leu Arg Asn Thr Lys Gly Arg Val Arg Phe Met Ile Gly Arg Glu  
 85 90 95  
 Arg Pro Gly Glu Gln Ser Glu Val Ala Gln Arg Ile His Arg Asp  
 100 105 110

<210> 149  
 <211> 90  
 <212> PRT

<213> Homo sapiens

<400> 149

Ile	Gln	Pro	Asn	Val	Ile	Ser	Val	Arg	Leu	Phe	Lys	Arg	Lys	Val	Gly
1				5				10				15			
Gly	Leu	Gly	Phe	Leu	Val	Lys	Glu	Arg	Val	Ser	Lys	Pro	Pro	Val	Ile
	20					25						30			
Ile	Ser	Asp	Leu	Ile	Arg	Gly	Gly	Ala	Ala	Glu	Gln	Ser	Gly	Leu	Ile
	35					40						45			
Gln	Ala	Gly	Asp	Ile	Ile	Leu	Ala	Val	Gly	Arg	Pro	Leu	Val	Asp	
	50					55					60				
Leu	Ser	Tyr	Asp	Ser	Ala	Leu	Glu	Val	Leu	Arg	Gly	Ile	Ala	Ser	Glu
	65					70				75				80	
Thr	His	Val	Val	Leu	Ile	Leu	Arg	Gly	Pro						
				85				90							

<210> 150

<211> 107

<212> PRT

<213> Homo sapiens

<400> 150

Gln	Ala	Asn	Ser	Asp	Glu	Ser	Asp	Ile	Ile	His	Ser	Val	Arg	Val	Glu
1				5				10				15			
Lys	Ser	Pro	Ala	Gly	Arg	Leu	Gly	Phe	Ser	Val	Arg	Gly	Gly	Ser	Glu
	20					25						30			
His	Gly	Leu	Gly	Ile	Phe	Val	Ser	Lys	Val	Glu	Glu	Gly	Ser	Ser	Ala
	35					40						45			
Glu	Arg	Ala	Gly	Leu	Cys	Val	Gly	Asp	Lys	Ile	Thr	Glu	Val	Asn	Gly
	50					55					60				
Leu	Ser	Leu	Glu	Ser	Thr	Thr	Met	Gly	Ser	Ala	Val	Lys	Val	Leu	Thr
	65					70				75				80	
Ser	Ser	Ser	Arg	Leu	His	Met	Met	Val	Arg	Arg	Met	Gly	Arg	Val	Pro
					85			90				95			
Gly	Ile	Lys	Phe	Ser	Lys	Glu	Lys	Asn	Ser	Ser					
				100				105							

<210> 151

<211> 106

<212> PRT

<213> Homo sapiens

<400> 151

Pro	Ser	Asp	Thr	Ser	Ser	Glu	Asp	Gly	Val	Arg	Arg	Ile	Val	His	Leu
1				5				10				15			
Tyr	Thr	Thr	Ser	Asp	Asp	Phe	Cys	Leu	Gly	Phe	Asn	Ile	Arg	Gly	Gly
	20					25						30			
Lys	Glu	Phe	Gly	Leu	Gly	Ile	Tyr	Val	Ser	Lys	Val	Asp	His	Gly	Gly
	35					40						45			
Leu	Ala	Glu	Glu	Asn	Gly	Ile	Lys	Val	Gly	Asp	Gln	Val	Leu	Ala	Ala
	50					55					60				
Asn	Gly	Val	Arg	Phe	Asp	Asp	Ile	Ser	His	Ser	Gln	Ala	Val	Glu	Val
	65					70				75				80	
Leu	Lys	Gly	Gln	Thr	His	Ile	Met	Leu	Thr	Ile	Lys	Glu	Thr	Gly	Arg
					85			90				95			
Tyr	Pro	Ala	Tyr	Lys	Glu	Met	Asn	Ser	Ser						
				100				105							

<210> 152  
<211> 115  
<212> PRT  
<213> Homo sapiens

<400> 152  
Lys Ile Lys Lys Phe Leu Thr Glu Ser His Asp Arg Gln Ala Lys Gly  
1 5 10 15  
Lys Ala Ile Thr Lys Lys Tyr Ile Gly Ile Arg Met Met Ser Leu  
20 25 30  
Thr Ser Ser Lys Ala Lys Glu Leu Lys Asp Arg His Arg Asp Phe Pro  
35 40 45  
Asp Val Ile Ser Gly Ala Tyr Ile Ile Glu Val Ile Pro Asp Thr Pro  
50 55 60  
Ala Glu Ala Gly Gly Leu Lys Glu Asn Asp Val Ile Ile Ser Ile Asn  
65 70 75 80  
Gly Gln Ser Val Val Ser Ala Asn Asp Val Ser Asp Val Ile Lys Arg  
85 90 95  
Glu Ser Thr Leu Asn Met Val Val Arg Arg Gly Asn Glu Asp Ile Met  
100 105 110  
Ile Thr Val  
115

<210> 153  
<211> 100  
<212> PRT  
<213> Homo sapiens

<400> 153  
Pro Asp Gly Glu Ile Thr Ser Ile Lys Ile Asn Arg Val Asp Pro Ser  
1 5 10 15  
Glu Ser Leu Ser Ile Arg Leu Val Gly Gly Ser Glu Thr Pro Leu Val  
20 25 30  
His Ile Ile Ile Gln His Ile Tyr Arg Asp Gly Val Ile Ala Arg Asp  
35 40 45  
Gly Arg Leu Leu Pro Gly Asp Ile Ile Leu Lys Val Asn Gly Met Asp  
50 55 60  
Ile Ser Asn Val Pro His Asn Tyr Ala Val Arg Leu Leu Arg Gln Pro  
65 70 75 80  
Cys Gln Val Leu Trp Leu Thr Val Met Arg Glu Gln Lys Phe Arg Ser  
85 90 95  
Arg Asn Ser Ser  
100

<210> 154  
<211> 101  
<212> PRT  
<213> Homo sapiens

<400> 154  
His Arg Pro Arg Asp Asp Ser Phe His Val Ile Leu Asn Lys Ser Ser  
1 5 10 15  
Pro Glu Glu Gln Leu Gly Ile Lys Leu Val Arg Lys Val Asp Glu Pro  
20 25 30  
Gly Val Phe Ile Phe Asn Val Leu Asp Gly Gly Val Ala Tyr Arg His  
35 40 45  
Gly Gln Leu Glu Glu Asn Asp Arg Val Leu Ala Ile Asn Gly His Asp

50	55	60
Leu Arg Tyr Gly Ser Pro Glu Ser Ala Ala His	Leu Ile Gln Ala Ser	
65	70	75
Glu Arg Arg Val His Leu Val Val Ser Arg	Gln Val Arg Gln Arg Ser	80
85	90	95
Pro Glu Asn Ser Ser		
100		

<210> 155  
 <211> 104  
 <212> PRT  
 <213> Homo sapiens

<400> 155			
Pro Thr Ile Thr Cys His Glu Lys Val Val Asn Ile Gln Lys Asp Pro			
1	5	10	15
Gly Glu Ser Leu Gly Met Thr Val Ala Gly Gly Ala Ser His Arg Glu			
20	25	30	
Trp Asp Leu Pro Ile Tyr Val Ile Ser Val Glu Pro Gly Gly Val Ile			
35	40	45	
Ser Arg Asp Gly Arg Ile Lys Thr Gly Asp Ile Leu Asn Val Asp			
50	55	60	
Gly Val Glu Leu Thr Glu Val Ser Arg Ser Glu Ala Val Ala Leu Leu			
65	70	75	80
Lys Arg Thr Ser Ser Ile Val Leu Lys Ala Leu Glu Val Lys Glu			
85	90	95	
Tyr Glu Pro Gln Glu Phe Ile Val			
100			

<210> 156  
 <211> 99  
 <212> PRT  
 <213> Homo sapiens

<400> 156			
Pro Arg Cys Leu Tyr Asn Cys Lys Asp Ile Val Leu Arg Arg Asn Thr			
1	5	10	15
Ala Gly Ser Leu Gly Phe Cys Ile Val Gly Gly Tyr Glu Glu Tyr Asn			
20	25	30	
Gly Asn Lys Pro Phe Phe Ile Lys Ser Ile Val Glu Gly Thr Pro Ala			
35	40	45	
Tyr Asn Asp Gly Arg Ile Arg Cys Gly Asp Ile Leu Leu Ala Val Asn			
50	55	60	
Gly Arg Ser Thr Ser Gly Met Ile His Ala Cys Leu Ala Arg Leu Leu			
65	70	75	80
Lys Glu Leu Lys Gly Arg Ile Thr Leu Thr Ile Val Ser Trp Pro Gly			
85	90	95	
Thr Phe Leu			

<210> 157  
 <211> 101  
 <212> PRT  
 <213> Homo sapiens

<400> 157		
Leu Leu Thr Glu Glu Ile Asn Leu Thr Arg Gly Pro Ser Gly Leu		

1	5	10	15												
Gly	Phe	Asn	Ile	Val	Gly	Gly	Thr	Asp	Gln	Gln	Tyr	Val	Ser	Asn	Asp
									20	25					30
Ser	Gly	Ile	Tyr	Val	Ser	Arg	Ile	Lys	Glu	Asn	Gly	Ala	Ala	Ala	Leu
															35
										40					45
Asp	Gly	Arg	Leu	Gln	Glu	Gly	Asp	Lys	Ile	Leu	Ser	Val	Asn	Gly	Gln
										50	55				60
Asp	Leu	Lys	Asn	Leu	Leu	His	Gln	Asp	Ala	Val	Asp	Leu	Phe	Arg	Asn
										65	70				80
Ala	Gly	Tyr	Ala	Val	Ser	Leu	Arg	Val	Gln	His	Arg	Leu	Gln	Val	Gln
										85	90				95
Asn	Gly	Ile	His	Ser											
															100

<210> 158  
 <211> 94  
 <212> PRT  
 <213> Homo sapiens

1	5	10	15												
Pro	Val	Asp	Ala	Ile	Arg	Ile	Leu	Gly	Ile	His	Lys	Arg	Ala	Gly	Glu
Pro	Leu	Gly	Val	Thr	Phe	Arg	Val	Glu	Asn	Asn	Asp	Leu	Val	Ile	Ala
															20
Arg	Ile	Leu	His	Gly	Gly	Met	Ile	Asp	Arg	Gln	Gly	Leu	Leu	His	Val
															35
Gly	Asp	Ile	Ile	Lys	Glu	Val	Asn	Gly	His	Glu	Val	Gly	Asn	Asn	Pro
															50
Lys	Glu	Leu	Gln	Glu	Leu	Leu	Lys	Asn	Ile	Ser	Gly	Ser	Val	Thr	Leu
															65
Lys	Ile	Leu	Pro	Ser	Tyr	Arg	Asp	Thr	Ile	Thr	Pro	Gln	Gln		80
															85
															90

<210> 159  
 <211> 93  
 <212> PRT  
 <213> Homo sapiens

1	5	10	15												
Asp	Asp	Met	Val	Lys	Leu	Val	Glu	Val	Pro	Asn	Asp	Gly	Gly	Pro	Leu
Gly	Ile	His	Val	Val	Pro	Phe	Ser	Ala	Arg	Gly	Gly	Arg	Thr	Leu	Gly
															20
Leu	Leu	Val	Lys	Arg	Leu	Glu	Lys	Gly	Gly	Lys	Ala	Glu	His	Glu	Asn
															35
Leu	Phe	Arg	Glu	Asn	Asp	Cys	Ile	Val	Arg	Ile	Asn	Asp	Gly	Asp	Leu
															50
Arg	Asn	Arg	Arg	Phe	Glu	Gln	Ala	Gln	His	Met	Phe	Arg	Gln	Ala	Met
															65
Arg	Thr	Pro	Ile	Ile	Trp	Phe	His	Val	Val	Pro	Ala	Ala			80
															85
															90

<210> 160  
 <211> 94  
 <212> PRT  
 <213> Homo sapiens

<400> 160  
Gly Lys Arg Leu Asn Ile Gln Leu Lys Lys Gly Thr Glu Gly Leu Gly  
1 5 10 15  
Phe Ser Ile Thr Ser Arg Asp Val Thr Ile Gly Gly Ser Ala Pro Ile  
20 25 30  
Tyr Val Lys Asn Ile Leu Pro Arg Gly Ala Ala Ile Gln Asp Gly Arg  
35 40 45  
Leu Lys Ala Gly Asp Arg Leu Ile Glu Val Asn Gly Val Asp Leu Val  
50 55 60  
Gly Lys Ser Gln Glu Glu Val Val Ser Leu Leu Arg Ser Thr Lys Met  
65 70 75 80  
Glu Gly Thr Val Ser Leu Leu Val Phe Arg Gln Glu Asp Ala  
85 90

<210> 161  
<211> 103  
<212> PRT  
<213> Homo sapiens

<400> 161  
Thr Pro Asp Gly Thr Arg Glu Phe Leu Thr Phe Glu Val Pro Leu Asn  
1 5 10 15  
Asp Ser Gly Ser Ala Gly Leu Gly Val Ser Val Lys Gly Asn Arg Ser  
20 25 30  
Lys Glu Asn His Ala Asp Leu Gly Ile Phe Val Lys Ser Ile Ile Asn  
35 40 45  
Gly Gly Ala Ala Ser Lys Asp Gly Arg Leu Arg Val Asn Asp Gln Leu  
50 55 60  
Ile Ala Val Asn Gly Glu Ser Leu Leu Gly Lys Thr Asn Gln Asp Ala  
65 70 75 80  
Met Glu Thr Leu Arg Arg Ser Met Ser Thr Glu Gly Asn Lys Arg Gly  
85 90 95  
Met Ile Gln Leu Ile Val Ala  
100

<210> 162  
<211> 102  
<212> PRT  
<213> Homo sapiens

<400> 162  
Leu Pro Glu Thr His Arg Arg Val Arg Leu His Lys His Gly Ser Asp  
1 5 10 15  
Arg Pro Leu Gly Phe Tyr Ile Arg Asp Gly Met Ser Val Arg Val Ala  
20 25 30  
Pro Gln Gly Leu Glu Arg Val Pro Gly Ile Phe Ile Ser Arg Leu Val  
35 40 45  
Arg Gly Gly Leu Ala Glu Ser Thr Gly Leu Leu Ala Val Ser Asp Glu  
50 55 60  
Ile Leu Glu Val Asn Gly Ile Glu Val Ala Gly Lys Thr Leu Asp Gln  
65 70 75 80  
Val Thr Asp Met Met Val Ala Asn Ser His Asn Leu Ile Val Thr Val  
85 90 95  
Lys Pro Ala Asn Gln Arg  
100

<210> 163

<211> 111  
<212> PRT  
<213> Homo sapiens

<400> 163  
Ile Asp Val Asp Leu Val Pro Glu Thr His Arg Arg Val Arg Leu His  
1 5 10 15  
Arg His Gly Cys Glu Lys Pro Leu Gly Phe Tyr Ile Arg Asp Gly Ala  
20 25 30  
Ser Val Arg Val Thr Pro His Gly Leu Glu Lys Val Pro Gly Ile Phe  
35 40 45  
Ile Ser Arg Met Val Pro Gly Gly Leu Ala Glu Ser Thr Gly Leu Leu  
50 55 60  
Ala Val Asn Asp Glu Val Leu Glu Val Asn Gly Ile Glu Val Ala Gly  
65 70 75 80  
Lys Thr Leu Asp Gln Val Thr Asp Met Met Ile Ala Asn Ser His Asn  
85 90 95  
Leu Ile Val Thr Val Lys Pro Ala Asn Gln Arg Asn Asn Val Val  
100 105 110

<210> 164  
<211> 100  
<212> PRT  
<213> Homo sapiens

<400> 164  
Arg Ser Arg Lys Leu Lys Glu Val Arg Leu Asp Arg Leu His Pro Glu  
1 5 10 15  
Gly Leu Gly Leu Ser Val Arg Gly Gly Leu Glu Phe Gly Cys Gly Leu  
20 25 30  
Phe Ile Ser His Leu Ile Lys Gly Gly Gln Ala Asp Ser Val Gly Leu  
35 40 45  
Gln Val Gly Asp Glu Ile Val Arg Ile Asn Gly Tyr Ser Ile Ser Ser  
50 55 60  
Cys Thr His Glu Glu Val Ile Asn Leu Ile Arg Thr Lys Lys Thr Val  
65 70 75 80  
Ser Ile Lys Val Arg His Ile Gly Leu Ile Pro Val Lys Ser Ser Pro  
85 90 95  
Asp Glu Phe His  
100

<210> 165  
<211> 102  
<212> PRT  
<213> Homo sapiens

<400> 165  
Ile Pro Gly Asn Arg Glu Asn Lys Glu Lys Lys Val Phe Ile Ser Leu  
1 5 10 15  
Val Gly Ser Arg Gly Leu Gly Cys Ser Ile Ser Ser Gly Pro Ile Gln  
20 25 30  
Lys Pro Gly Ile Phe Ile Ser His Val Lys Pro Gly Ser Leu Ser Ala  
35 40 45  
Glu Val Gly Leu Glu Ile Gly Asp Gln Ile Val Glu Val Asn Gly Val  
50 55 60  
Asp Phe Ser Asn Leu Asp His Lys Glu Ala Val Asn Val Leu Lys Ser  
65 70 75 80  
Ser Arg Ser Leu Thr Ile Ser Ile Val Ala Ala Gly Arg Glu Leu

85  
Phe Met Thr Asp Glu Phe  
100

90

95

<210> 166

<211> 103

<212> PRT

<213> Homo sapiens

<400> 166

Pro Glu Gln Ile Met Gly Lys Asp Val Arg Leu Leu Arg Ile Lys Lys  
1 5 10 15  
Glu Gly Ser Leu Asp Leu Ala Leu Glu Gly Gly Val Asp Ser Pro Ile  
20 25 30  
Gly Lys Val Val Val Ser Ala Val Tyr Glu Arg Gly Ala Ala Glu Arg  
35 40 45  
His Gly Gly Ile Val Lys Gly Asp Glu Ile Met Ala Ile Asn Gly Lys  
50 55 60  
Ile Val Thr Asp Tyr Thr Leu Ala Glu Ala Asp Ala Ala Leu Gln Lys  
65 70 75 80  
Ala Trp Asn Gln Gly Gly Asp Trp Ile Asp Leu Val Val Ala Val Cys  
85 90 95  
Pro Pro Lys Glu Tyr Asp Asp  
100

<210> 167

<211> 103

<212> PRT

<213> Homo sapiens

<400> 167

Leu Thr Ser Thr Phe Asn Pro Arg Glu Cys Lys Leu Ser Lys Gln Glu  
1 5 10 15  
Gly Gln Asn Tyr Gly Phe Phe Leu Arg Ile Glu Lys Asp Thr Glu Gly  
20 25 30  
His Leu Val Arg Val Val Glu Lys Cys Ser Pro Ala Glu Lys Ala Gly  
35 40 45  
Leu Gln Asp Gly Asp Arg Val Leu Arg Ile Asn Gly Val Phe Val Asp  
50 55 60  
Lys Glu Glu His Met Gln Val Val Asp Leu Val Arg Lys Ser Gly Asn  
65 70 75 80  
Ser Val Thr Leu Leu Val Leu Asp Gly Asp Ser Tyr Glu Lys Ala Gly  
85 90 95  
Ser Pro Gly Ile His Arg Asp  
100

<210> 168

<211> 92

<212> PRT

<213> Homo sapiens

<400> 168

Arg Leu Cys Tyr Leu Val Lys Glu Gly Gly Ser Tyr Gly Phe Ser Leu  
1 5 10 15  
Lys Thr Val Gln Gly Lys Lys Gly Val Tyr Met Thr Asp Ile Thr Pro  
20 25 30  
Gln Gly Val Ala Met Arg Ala Gly Val Leu Ala Asp Asp His Leu Ile

35	40	45
Glu Val Asn Gly Glu Asn Val Glu Asp Ala Ser His	Glu Val Val	
50	55	60
Glu Lys Val Lys Lys Ser Gly Ser Arg Val Met	Phe Leu Leu Val Asp	
65	70	75
Lys Glu Thr Asp Lys Arg Glu Phe Ile Val Thr Asp		80
85	90	

<210> 169  
<211> 112  
<212> PRT  
<213> Homo sapiens

<400> 169	
Gln Phe Lys Arg Glu Thr Ala Ser Leu Lys Leu Leu Pro His Gln Pro	
1 5 10 15	
Arg Ile Val Glu Met Lys Lys Gly Ser Asn Gly Tyr Gly Phe Tyr Leu	
20 25 30	
Arg Ala Gly Ser Glu Gln Lys Gly Gln Ile Ile Lys Asp Ile Asp Ser	
35 40 45	
Gly Ser Pro Ala Glu Glu Ala Gly Leu Lys Asn Asn Asp Leu Val Val	
50 55 60	
Ala Val Asn Gly Glu Ser Val Glu Thr Leu Asp His Asp Ser Val Val	
65 70 75 80	
Glu Met Ile Arg Lys Gly Gly Asp Gln Thr Ser Leu Leu Val Val Asp	
85 90 95	
Lys Glu Thr Asp Asn Met Tyr Arg Leu Ala Glu Phe Ile Val Thr Asp	
100 105 110	

<210> 170  
<211> 95  
<212> PRT  
<213> Homo sapiens

<400> 170	
Pro Asp Thr Thr Glu Glu Val Asp His Lys Pro Lys Leu Cys Arg Leu	
1 5 10 15	
Ala Lys Gly Glu Asn Gly Tyr Gly Phe His Leu Asn Ala Ile Arg Gly	
20 25 30	
Leu Pro Gly Ser Phe Ile Lys Glu Val Gln Lys Gly Gly Pro Ala Asp	
35 40 45	
Leu Ala Gly Leu Glu Asp Glu Asp Val Ile Ile Glu Val Asn Gly Val	
50 55 60	
Asn Val Leu Asp Glu Pro Tyr Glu Lys Val Val Asp Arg Ile Gln Ser	
65 70 75 80	
Ser Gly Lys Asn Val Thr Leu Leu Val Glx Gly Lys Asn Ser Ser	
85 90 95	

<210> 171  
<211> 89  
<212> PRT  
<213> Homo sapiens

<400> 171	
Pro Thr Val Pro Gly Lys Val Thr Leu Gln Lys Asp Ala Gln Asn Leu	
1 5 10 15	
Ile Gly Ile Ser Ile Gly Gly Ala Gln Tyr Cys Pro Cys Leu Tyr	

20	25	30
Ile Val Gln Val Phe Asp Asn Thr Pro Ala Ala Leu Asp Gly Thr Val		
35	40	45
Ala Ala Gly Asp Glu Ile Thr Gly Val Asn Gly Arg Ser Ile Lys Gly		
50	55	60
Lys Thr Lys Val Glu Val Ala Lys Met Ile Gln Glu Val Lys Gly Glu		
65	70	75
Val Thr Ile His Tyr Asn Lys Leu Gln		
85		

<210> 172  
<211> 98  
<212> PRT  
<213> *Homo sapiens*

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<400> 172
Ser Gln Gly Val Gly Pro Ile Arg Lys Val Leu Leu Leu Lys Glu Asp
  1           5           10           15
His Glu Gly Leu Gly Ile Ser Ile Thr Gly Gly Lys Glu His Gly Val
  20          25          30
Pro Ile Leu Ile Ser Glu Ile His Pro Gly Gln Pro Ala Asp Arg Cys
  35          40          45
Gly Gly Leu His Val Gly Asp Ala Ile Leu Ala Val Asn Gly Val Asn
  50          55          60
Leu Arg Asp Thr Lys His Lys Glu Ala Val Thr Ile Leu Ser Gln Gln
  65          70          75          80
Arg Gly Glu Ile Glu Phe Glu Val Val Tyr Val Ala Pro Glu Val Asp
  85          90          95
Ser Asp

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<210> 173  
<211> 97  
<212> PRT  
<213> *Homo sapiens*

<400> 173  
 Ile His Val Thr Ile Leu His Lys Glu Glu Gly Ala Gly Leu Gly Phe  
 1 5 10 15  
 Ser Leu Ala Gly Gly Ala Asp Leu Glu Asn Lys Val Ile Thr Val His  
 20 25 30  
 Arg Val Phe Pro Asn Gly Leu Ala Ser Gln Glu Gly Thr Ile Gln Lys  
 35 40 45  
 Gly Asn Glu Val Leu Ser Ile Asn Gly Lys Ser Leu Lys Gly Thr Thr  
 50 55 60  
 His His Asp Ala Leu Ala Ile Leu Arg Gln Ala Arg Glu Pro Arg Gln  
 65 70 75 80  
 Ala Val Ile Val Thr Arg Lys Leu Thr Pro Glu Glu Phe Ile Val Thr  
 85 90 95  
 Asp

<210> 174  
<211> 98  
<212> PRT  
<213> *Homo sapiens*

<400> 174

Thr Ala Glu Ala Thr Val Cys Thr Val Thr Leu Glu Lys Met Ser Ala  
1 5 10 15  
Gly Leu Gly Phe Ser Leu Glu Gly Gly Lys Gly Ser Leu His Gly Asp  
20 25 30  
Lys Pro Leu Thr Ile Asn Arg Ile Phe Lys Gly Ala Ala Ser Glu Gln  
35 40 45  
Ser Glu Thr Val Gln Pro Gly Asp Glu Ile Leu Gln Leu Gly Gly Thr  
50 55 60  
Ala Met Gln Gly Leu Thr Arg Phe Glu Ala Trp Asn Ile Ile Lys Ala  
65 70 75 80  
Leu Pro Asp Gly Pro Val Thr Ile Val Ile Arg Arg Lys Ser Leu Gln  
85 90 95  
Ser Lys

<210> 175

<211> 98

<212> PRT

<213> Homo sapiens

<400> 175

Leu Glu Tyr Glu Ile Thr Leu Glu Arg Gly Asn Ser Gly Leu Gly Phe  
1 5 10 15  
Ser Ile Ala Gly Gly Thr Asp Asn Pro His Ile Gly Asp Asp Pro Ser  
20 25 30  
Ile Phe Ile Thr Lys Ile Ile Pro Gly Gly Ala Ala Ala Gln Asp Gly  
35 40 45  
Arg Leu Arg Val Asn Asp Ser Ile Leu Phe Val Asn Glu Val Asp Val  
50 55 60  
Arg Glu Val Thr His Ser Ala Ala Val Glu Ala Leu Lys Glu Ala Gly  
65 70 75 80  
Ser Ile Val Arg Leu Tyr Val Met Arg Arg Lys Pro Pro Ala Glu Asn  
85 90 95  
Ser Ser

<210> 176

<211> 105

<212> PRT

<213> Homo sapiens

<400> 176

His Val Met Arg Arg Lys Pro Pro Ala Glu Lys Val Met Glu Ile Lys  
1 5 10 15  
Leu Ile Lys Gly Pro Lys Gly Leu Gly Phe Ser Ile Ala Gly Gly Val  
20 25 30  
Gly Asn Gln His Ile Pro Gly Asp Asn Ser Ile Tyr Val Thr Lys Ile  
35 40 45  
Ile Glu Gly Gly Ala Ala His Lys Asp Gly Arg Leu Gln Ile Gly Asp  
50 55 60  
Lys Ile Leu Ala Val Asn Ser Val Gly Leu Glu Asp Val Met His Glu  
65 70 75 80  
Asp Ala Val Ala Ala Leu Lys Asn Thr Tyr Asp Val Val Tyr Leu Lys  
85 90 95  
Val Ala Lys Pro Ser Asn Ala Tyr Leu  
100 105

<210> 177  
<211> 97  
<212> PRT  
<213> Homo sapiens

<400> 177  
Arg Glu Asp Ile Pro Arg Glu Pro Arg Arg Ile Val Ile His Arg Gly  
1 5 10 15  
Ser Thr Gly Leu Gly Phe Asn Ile Val Gly Gly Glu Asp Gly Glu Gly  
20 25 30  
Ile Phe Ile Ser Phe Ile Leu Ala Gly Gly Pro Ala Asp Leu Ser Gly  
35 40 45  
Glu Leu Arg Lys Gly Asp Gln Ile Leu Ser Val Asn Gly Val Asp Leu  
50 55 60  
Arg Asn Ala Ser His Glu Gln Ala Ala Ile Ala Leu Lys Asn Ala Gly  
65 70 75 80  
Gln Thr Val Thr Ile Ile Ala Gln Tyr Lys Pro Glu Phe Ile Val Thr  
85 90 95  
Asp

<210> 178  
<211> 88  
<212> PRT  
<213> Homo sapiens

<400> 178  
Leu Ile Arg Ile Thr Pro Asp Glu Asp Gly Lys Phe Gly Phe Asn Leu  
1 5 10 15  
Lys Gly Gly Val Asp Gln Lys Met Pro Leu Val Val Ser Arg Ile Asn  
20 25 30  
Pro Glu Ser Pro Ala Asp Thr Cys Ile Pro Lys Leu Asn Glu Gly Asp  
35 40 45  
Gln Ile Val Leu Ile Asn Gly Arg Asp Ile Ser Glu His Thr His Asp  
50 55 60  
Gln Val Val Met Phe Ile Lys Ala Ser Arg Glu Ser His Ser Arg Glu  
65 70 75 80  
Leu Ala Leu Val Ile Arg Arg Arg  
85

<210> 179  
<211> 88  
<212> PRT  
<213> Homo sapiens

<400> 179  
Ile Arg Met Lys Pro Asp Glu Asn Gly Arg Phe Gly Phe Asn Val Lys  
1 5 10 15  
Gly Gly Tyr Asp Gln Lys Met Pro Val Ile Val Ser Arg Val Ala Pro  
20 25 30  
Gly Thr Pro Ala Asp Leu Cys Val Pro Arg Leu Asn Glu Gly Asp Gln  
35 40 45  
Val Val Leu Ile Asn Gly Arg Asp Ile Ala Glu His Thr His Asp Gln  
50 55 60  
Val Val Leu Phe Ile Lys Ala Ser Cys Glu Arg His Ser Gly Glu Leu  
65 70 75 80  
Met Leu Leu Val Arg Pro Asn Ala

<210> 180  
 <211> 106  
 <212> PRT  
 <213> Homo sapiens

<400> 180  
 Pro Glu Arg Glu Ile Thr Leu Val Asn Leu Lys Lys Asp Ala Lys Tyr  
 1 5 10 15  
 Gly Leu Gly Phe Gln Ile Ile Gly Gly Glu Lys Met Gly Arg Leu Asp  
 20 25 30  
 Leu Gly Ile Phe Ile Ser Ser Val Ala Pro Gly Gly Pro Ala Asp Phe  
 35 40 45  
 His Gly Cys Leu Lys Pro Gly Asp Arg Leu Ile Ser Val Asn Ser Val  
 50 55 60  
 Ser Leu Glu Gly Val Ser His His Ala Ala Ile Glu Ile Leu Gln Asn  
 65 70 75 80  
 Ala Pro Glu Asp Val Thr Leu Val Ile Ser Gln Pro Lys Glu Lys Ile  
 85 90 95  
 Ser Lys Val Pro Ser Thr Pro Val His Leu  
 100 105

<210> 181  
 <211> 95  
 <212> PRT  
 <213> Homo sapiens

<400> 181  
 Gly Asp Ile Phe Glu Val Glu Leu Ala Lys Asn Asp Asn Ser Leu Gly  
 1 5 10 15  
 Ile Ser Val Thr Gly Gly Val Asn Thr Ser Val Arg His Gly Gly Ile  
 20 25 30  
 Tyr Val Lys Ala Val Ile Pro Gln Gly Ala Ala Glu Ser Asp Gly Arg  
 35 40 45  
 Ile His Lys Gly Asp Arg Val Leu Ala Val Asn Gly Val Ser Leu Glu  
 50 55 60  
 Gly Ala Thr His Lys Gln Ala Val Glu Thr Leu Arg Asn Thr Gly Gln  
 65 70 75 80  
 Val Val His Leu Leu Leu Glu Lys Gly Gln Ser Pro Thr Ser Lys  
 85 90 95

<210> 182  
 <211> 104  
 <212> PRT  
 <213> Homo sapiens

<400> 182  
 Thr Glu Glu Asn Thr Phe Glu Val Lys Leu Phe Lys Asn Ser Ser Gly  
 1 5 10 15  
 Leu Gly Phe Ser Phe Ser Arg Glu Asp Asn Leu Ile Pro Glu Gln Ile  
 20 25 30  
 Asn Ala Ser Ile Val Arg Val Lys Lys Leu Phe Ala Gly Gln Pro Ala  
 35 40 45  
 Ala Glu Ser Gly Lys Ile Asp Val Gly Asp Val Ile Leu Lys Val Asn  
 50 55 60  
 Gly Ala Ser Leu Lys Gly Leu Ser Gln Gln Glu Val Ile Ser Ala Leu

65	70	75	80												
Arg	Gly	Thr	Ala	Pro	Glu	Val	Phe	Leu	Leu	Leu	Cys	Arg	Pro	Pro	Pro
85								90							95
Gly	Val	Leu	Pro	Glu	Ile	Asp	Thr								
100															

<210> 183  
<211> 98  
<212> PRT  
<213> Homo sapiens

<400> 183															
Glu	Leu	Glu	Val	Glu	Leu	Leu	Ile	Thr	Leu	Ile	Lys	Ser	Glu	Lys	Ala
1				5					10						15
Ser	Leu	Gly	Phe	Thr	Val	Thr	Lys	Gly	Asn	Gln	Arg	Ile	Gly	Cys	Tyr
				20				25							30
Val	His	Asp	Val	Ile	Gln	Asp	Pro	Ala	Lys	Ser	Asp	Gly	Arg	Leu	Lys
				35				40							45
Pro	Gly	Asp	Arg	Leu	Ile	Lys	Val	Asn	Asp	Thr	Asp	Val	Thr	Asn	Met
				50				55							60
Thr	His	Thr	Asp	Ala	Val	Asn	Leu	Leu	Arg	Ala	Ala	Ser	Lys	Thr	Val
65					70				75						80
Arg	Leu	Val	Ile	Gly	Arg	Val	Leu	Glu	Leu	Pro	Arg	Ile	Pro	Met	Leu
				85				90							95
Pro	His														

<210> 184  
<211> 94  
<212> PRT  
<213> Homo sapiens

<400> 184															
Met	Leu	Pro	His	Leu	Leu	Pro	Asp	Ile	Thr	Leu	Thr	Cys	Asn	Lys	Glu
1					5					10					15
Glu	Leu	Gly	Phe	Ser	Leu	Cys	Gly	Gly	His	Asp	Ser	Leu	Tyr	Gln	Val
					20			25							30
Val	Tyr	Ile	Ser	Asp	Ile	Asn	Pro	Arg	Ser	Val	Ala	Ala	Ile	Glu	Gly
					35			40							45
Asn	Leu	Gln	Leu	Leu	Asp	Val	Ile	His	Tyr	Val	Asn	Gly	Val	Ser	Thr
					50			55							60
Gln	Gly	Met	Thr	Leu	Glu	Glu	Val	Asn	Arg	Ala	Leu	Asp	Met	Ser	Leu
65					70				75						80
Pro	Ser	Leu	Val	Leu	Lys	Ala	Thr	Arg	Asn	Asp	Leu	Pro	Val		
					85				90						

<210> 185  
<211> 93  
<212> PRT  
<213> Homo sapiens

<400> 185															
Arg	Pro	Ser	Pro	Pro	Arg	Val	Arg	Ser	Val	Glu	Val	Ala	Arg	Gly	Arg
1					5					10					15
Ala	Gly	Tyr	Gly	Phe	Thr	Leu	Ser	Gly	Gln	Ala	Pro	Cys	Val	Leu	Ser
					20			25							30
Cys	Val	Met	Arg	Gly	Ser	Pro	Ala	Asp	Phe	Val	Gly	Leu	Arg	Ala	Gly

35	40	45
Asp Gln Ile Leu Ala Val Asn Glu Ile Asn Val Lys Lys Ala Ser His		
50	55	60
Glu Asp Val Val Lys Leu Ile Gly Lys Cys Ser Gly Val Leu His Met		
65	70	75
Val Ile Ala Glu Gly Val Gly Arg Phe Glu Ser Cys Ser		
85	90	

<210> 186  
<211> 96  
<212> PRT  
<213> Homo sapiens

<400> 186			
Leu Cys Ser Glu Arg Arg Tyr Arg Gln Ile Thr Ile Pro Arg Gly Lys			
1	5	10	15
Asp Gly Phe Gly Phe Thr Ile Cys Cys Asp Ser Pro Val Arg Val Gln			
20	25	30	
Ala Val Asp Ser Gly Gly Pro Ala Glu Arg Ala Gly Leu Gln Gln Leu			
35	40	45	
Asp Thr Val Leu Gln Leu Asn Glu Arg Pro Val Glu His Trp Lys Cys			
50	55	60	
Val Glu Leu Ala His Glu Ile Arg Ser Cys Pro Ser Glu Ile Ile Leu			
65	70	75	80
Leu Val Trp Arg Met Val Pro Gln Val Lys Pro Gly Ile His Arg Asp			
85	90	95	

<210> 187  
<211> 104  
<212> PRT  
<213> Homo sapiens

<400> 187			
Ile Ser Phe Ser Ala Asn Lys Arg Trp Thr Pro Pro Arg Ser Ile Arg			
1	5	10	15
Phe Thr Ala Glu Glu Gly Asp Leu Gly Phe Thr Leu Arg Gly Asn Ala			
20	25	30	
Pro Val Gln Val His Phe Leu Asp Pro Tyr Cys Ser Ala Ser Val Ala			
35	40	45	
Gly Ala Arg Glu Gly Asp Tyr Ile Val Ser Ile Gln Leu Val Asp Cys			
50	55	60	
Lys Trp Leu Thr Leu Ser Glu Val Met Lys Leu Leu Lys Ser Phe Gly			
65	70	75	80
Glu Asp Glu Ile Glu Met Lys Val Val Ser Leu Leu Asp Ser Thr Ser			
85	90	95	
Ser Met His Asn Lys Ser Ala Thr			
100			

<210> 188  
<211> 109  
<212> PRT  
<213> Homo sapiens

<400> 188			
Arg Gly Glu Lys Lys Asn Ser Ser Ser Gly Ile Ser Gly Ser Gln Arg			
1	5	10	15
Arg Tyr Ile Gly Val Met Met Leu Thr Leu Ser Pro Ser Ile Leu Ala			

20	25	30													
Glu	Leu	Gln	Leu	Arg	Glu	Pro	Ser	Phe	Pro	Asp	Val	Gln	His	Gly	Val
35	40	45													
Leu	Ile	His	Lys	Val	Ile	Leu	Gly	Ser	Pro	Ala	His	Arg	Ala	Gly	Leu
50	55	60													
Arg	Pro	Gly	Asp	Val	Ile	Leu	Ala	Ile	Gly	Glu	Gln	Met	Val	Gln	Asn
65	70	75	80												
Ala	Glu	Asp	Val	Tyr	Glu	Ala	Val	Arg	Thr	Gln	Ser	Gln	Leu	Ala	Val
85	90	95													
Gln	Ile	Arg	Arg	Gly	Arg	Glu	Thr	Leu	Thr	Leu	Tyr	Val			
100	105														

<210> 189  
<211> 111  
<212> PRT  
<213> Homo sapiens

<400> 189															
Glu	Glu	Lys	Thr	Val	Val	Leu	Gln	Lys	Lys	Asp	Asn	Glu	Gly	Phe	Gly
1	5	10	15												
Phe	Val	Leu	Arg	Gly	Ala	Lys	Ala	Asp	Thr	Pro	Ile	Glu	Glu	Phe	Thr
20	25	30													
Pro	Thr	Pro	Ala	Phe	Pro	Ala	Leu	Gln	Tyr	Leu	Glu	Ser	Val	Asp	Glu
35	40	45													
Gly	Gly	Val	Ala	Trp	Gln	Ala	Gly	Leu	Arg	Thr	Gly	Asp	Phe	Leu	Ile
50	55	60													
Glu	Val	Asn	Asn	Glu	Asn	Val	Val	Lys	Val	Gly	His	Arg	Gln	Val	Val
65	70	75	80												
Asn	Met	Ile	Arg	Gln	Gly	Gly	Asn	His	Leu	Val	Leu	Lys	Val	Val	Thr
85	90	95													
Val	Thr	Arg	Asn	Leu	Asp	Pro	Asp	Asp	Thr	Ala	Arg	Lys	Lys	Ala	
100	105	110													

<210> 190  
<211> 110  
<212> PRT  
<213> Homo sapiens

<400> 190															
Ser	Asp	Tyr	Val	Ile	Asp	Asp	Lys	Val	Ala	Val	Leu	Gln	Lys	Arg	Asp
1	5	10	15												
His	Glu	Gly	Phe	Gly	Phe	Val	Leu	Arg	Gly	Ala	Lys	Ala	Glu	Thr	Pro
20	25	30													
Ile	Glu	Glu	Phe	Thr	Pro	Thr	Pro	Ala	Phe	Pro	Ala	Leu	Gln	Tyr	Leu
35	40	45													
Glu	Ser	Val	Asp	Val	Glu	Gly	Val	Ala	Trp	Arg	Ala	Gly	Leu	Arg	Thr
50	55	60													
Gly	Asp	Phe	Leu	Ile	Glu	Val	Asn	Gly	Val	Asn	Val	Val	Lys	Val	Gly
65	70	75	80												
His	Lys	Gln	Val	Val	Ala	Leu	Ile	Arg	Gln	Gly	Gly	Asn	Arg	Leu	Val
85	90	95													
Met	Lys	Val	Val	Ser	Val	Thr	Arg	Lys	Pro	Glu	Glu	Asp	Gly		
100	105	110													

<210> 191  
<211> 91  
<212> PRT

<213> Homo sapiens

<400> 191

Ile	Tyr	Leu	Glu	Ala	Phe	Leu	Glu	Gly	Gly	Ala	Pro	Trp	Gly	Phe	Thr
1						5				10				15	
Leu	Lys	Gly	Gly	Leu	Glu	His	Gly	Glu	Pro	Leu	Ile	Ile	Ser	Lys	Val
						20				25				30	
Glu	Glu	Gly	Gly	Lys	Ala	Asp	Thr	Leu	Ser	Ser	Lys	Leu	Gln	Ala	Gly
						35				40				45	
Asp	Glu	Val	Val	His	Ile	Asn	Glu	Val	Thr	Leu	Ser	Ser	Ser	Arg	Lys
						50				55				60	
Glu	Ala	Val	Ser	Leu	Val	Lys	Gly	Ser	Tyr	Lys	Thr	Leu	Arg	Leu	Val
						65				70				75	
Val	Arg	Arg	Asp	Val	Cys	Thr	Asp	Pro	Gly	His					80
						85				90					

<210> 192

<211> 83

<212> PRT

<213> Homo sapiens

<400> 192

Ile	Arg	Leu	Cys	Arg	Leu	Val	Arg	Gly	Glu	Gln	Gly	Tyr	Gly	Phe	His
1						5				10				15	
Leu	His	Gly	Glu	Lys	Gly	Arg	Arg	Gly	Gln	Phe	Ile	Arg	Arg	Val	Glu
						20				25				30	
Pro	Gly	Ser	Pro	Ala	Glu	Ala	Ala	Leu	Arg	Ala	Gly	Asp	Arg	Leu	
						35				40				45	
Val	Glu	Val	Asn	Gly	Val	Asn	Val	Glu	Gly	Glu	Thr	His	His	Gln	Val
						50				55				60	
Val	Gln	Arg	Ile	Lys	Ala	Val	Glu	Gly	Gln	Thr	Arg	Leu	Leu	Val	Val
						65				70				75	
Asp	Gln	Asn													80

<210> 193

<211> 84

<212> PRT

<213> Homo sapiens

<400> 193

Ile	Arg	His	Leu	Arg	Lys	Gly	Pro	Gln	Gly	Tyr	Gly	Phe	Asn	Leu	His
1								5		10				15	
Ser	Asp	Lys	Ser	Arg	Pro	Gly	Gln	Tyr	Ile	Arg	Ser	Val	Asp	Pro	Gly
								20		25				30	
Ser	Pro	Ala	Ala	Arg	Ser	Gly	Leu	Arg	Ala	Gln	Asp	Arg	Leu	Ile	Glu
								35		40				45	
Val	Asn	Gly	Gln	Asn	Val	Glu	Gly	Leu	Arg	His	Ala	Glu	Val	Val	Ala
								50		55				60	
Ser	Ile	Lys	Ala	Arg	Glu	Asp	Glu	Ala	Arg	Leu	Leu	Val	Val	Asp	Pro
								65		70				75	
Glu	Thr	Asp	Glu												80

<210> 194

<211> 92

<212> PRT

<213> Homo sapiens

<400> 194

Pro	Gly	Val	Arg	Glu	Ile	His	Leu	Cys	Lys	Asp	Glu	Arg	Gly	Lys	Thr
1				5					10					15	
Gly	Leu	Arg	Leu	Arg	Lys	Val	Asp	Gln	Gly	Leu	Phe	Val	Gln	Leu	Val
					20				25					30	
Gln	Ala	Asn	Thr	Pro	Ala	Ser	Leu	Val	Gly	Leu	Arg	Phe	Gly	Asp	Gln
					35				40					45	
Leu	Leu	Gln	Ile	Asp	Gly	Arg	Asp	Cys	Ala	Gly	Trp	Ser	Ser	His	Lys
					50				55					60	
Ala	His	Gln	Val	Val	Lys	Lys	Ala	Ser	Gly	Asp	Lys	Ile	Val	Val	Val
					65				70					75	
Val	Arg	Asp	Arg	Pro	Phe	Gln	Arg	Thr	Val	Thr	Met				80
					85				90						

<210> 195

<211> 90

<212> PRT

<213> Homo sapiens

<400> 195

Pro	Phe	Gln	Arg	Thr	Val	Thr	Met	His	Lys	Asp	Ser	Met	Gly	His	Val
1					5				10					15	
Gly	Phe	Val	Ile	Lys	Lys	Gly	Lys	Ile	Val	Ser	Leu	Val	Lys	Gly	Ser
					20				25					30	
Ser	Ala	Ala	Arg	Asn	Gly	Leu	Leu	Thr	Asn	His	Tyr	Val	Cys	Glu	Val
					35				40					45	
Asp	Gly	Gln	Asn	Val	Ile	Gly	Leu	Lys	Asp	Lys	Lys	Ile	Met	Glu	Ile
					50				55					60	
Leu	Ala	Thr	Ala	Gly	Asn	Val	Val	Thr	Leu	Thr	Ile	Ile	Pro	Ser	Val
					65				70					75	
Ile	Tyr	Glu	His	Ile	Val	Glu	Phe	Ile	Val						80
					85				90						

<210> 196

<211> 109

<212> PRT

<213> Homo sapiens

<400> 196

Leu	Lys	Glu	Lys	Thr	Val	Leu	Leu	Gln	Lys	Lys	Asp	Ser	Glu	Gly	Phe
1						5			10					15	
Gly	Phe	Val	Leu	Arg	Gly	Ala	Lys	Ala	Gln	Thr	Pro	Ile	Glu	Glu	Phe
						20			25					30	
Thr	Pro	Thr	Pro	Ala	Phe	Pro	Ala	Leu	Gln	Tyr	Leu	Glu	Ser	Val	Asp
						35			40					45	
Glu	Gly	Gly	Val	Ala	Trp	Arg	Ala	Gly	Leu	Arg	Met	Gly	Asp	Phe	Leu
					50				55					60	
Ile	Glu	Val	Asn	Gly	Gln	Asn	Val	Val	Lys	Val	Gly	His	Arg	Gln	Val
					65				70					75	
Val	Asn	Met	Ile	Arg	Gln	Gly	Gly	Asn	Thr	Leu	Met	Val	Lys	Val	Val
						85			90					95	
Met	Val	Thr	Arg	His	Pro	Asp	Met	Asp	Glu	Ala	Val	Gln			
					100				105						

<210> 197

<211> 88  
<212> PRT  
<213> Homo sapiens

<400> 197  
Leu Glu Ile Lys Gln Gly Ile Arg Glu Val Ile Leu Cys Lys Asp Gln  
1 5 10 15  
Asp Gly Lys Ile Gly Leu Arg Leu Lys Ser Ile Asp Asn Gly Ile Phe  
20 25 30  
Val Gln Leu Val Gln Ala Asn Ser Pro Ala Ser Leu Val Gly Leu Arg  
35 40 45  
Phe Gly Asp Gln Val Leu Gln Ile Asn Gly Glu Asn Cys Ala Gly Trp  
50 55 60  
Ser Ser Asp Lys Ala His Lys Val Leu Lys Gln Ala Phe Gly Glu Lys  
65 70 75 80  
Ile Thr Met Arg Ile His Arg Asp  
85

<210> 198  
<211> 75  
<212> PRT  
<213> Homo sapiens

<400> 198  
Arg Asp Arg Pro Phe Glu Arg Thr Ile Thr Met His Lys Asp Ser Thr  
1 5 10 15  
Gly His Val Gly Phe Ile Phe Lys Asn Gly Lys Ile Thr Ser Ile Val  
20 25 30  
Lys Asp Ser Ser Ala Ala Arg Asn Gly Leu Leu Thr Glu His Asn Ile  
35 40 45  
Cys Glu Ile Asn Gly Gln Asn Val Ile Gly Leu Lys Asp Ser Gln Ile  
50 55 60  
Ala Asp Ile Leu Ser Thr Ser Gly Asn Ser Ser  
65 70 75

<210> 199  
<211> 94  
<212> PRT  
<213> Homo sapiens

<400> 199  
Gln Arg Arg Arg Val Thr Val Arg Lys Ala Asp Ala Gly Gly Leu Gly  
1 5 10 15  
Ile Ser Ile Lys Gly Gly Arg Glu Asn Lys Met Pro Ile Leu Ile Ser  
20 25 30  
Lys Ile Phe Lys Gly Leu Ala Ala Asp Gln Thr Glu Ala Leu Phe Val  
35 40 45  
Gly Asp Ala Ile Leu Ser Val Asn Gly Glu Asp Leu Ser Ser Ala Thr  
50 55 60  
His Asp Glu Ala Val Gln Val Leu Lys Lys Thr Gly Lys Glu Val Val  
65 70 75 80  
Leu Glu Val Lys Tyr Met Lys Asp Val Ser Pro Tyr Phe Lys  
85 90

<210> 200  
<211> 89  
<212> PRT

<213> Homo sapiens

<400> 200

Ile	Arg	Val	Val	Lys	Gln	Glu	Ala	Gly	Gly	Leu	Gly	Ile	Ser	Ile	Lys
1				5					10						15
Gly	Gly	Arg	Glu	Asn	Arg	Met	Pro	Ile	Leu	Ile	Ser	Lys	Ile	Phe	Pro
						20			25						30
Gly	Leu	Ala	Ala	Asp	Gln	Ser	Arg	Ala	Leu	Arg	Leu	Gly	Asp	Ala	Ile
						35			40						45
Leu	Ser	Val	Asn	Gly	Thr	Asp	Leu	Arg	Gln	Ala	Thr	His	Asp	Gln	Ala
						50			55						60
Val	Gln	Ala	Leu	Lys	Arg	Ala	Gly	Lys	Glu	Val	Leu	Glu	Val	Lys	
						65			70						80
Phe	Ile	Arg	Glu	Phe	Ile	Val	Thr	Asp							
						85									

<210> 201

<211> 101

<212> PRT

<213> Homo sapiens

<400> 201

Glu	Pro	Phe	Tyr	Ser	Gly	Glu	Arg	Thr	Val	Thr	Ile	Arg	Arg	Gln	Thr
1					5					10					15
Val	Gly	Gly	Phe	Gly	Leu	Ser	Ile	Lys	Gly	Gly	Ala	Glu	His	Asn	Ile
					20				25						30
Pro	Val	Val	Val	Ser	Lys	Ile	Ser	Lys	Glu	Gln	Arg	Ala	Glu	Leu	Ser
					35				40						45
Gly	Leu	Leu	Phe	Ile	Gly	Asp	Ala	Ile	Leu	Gln	Ile	Asn	Gly	Ile	Asn
					50				55						60
Val	Arg	Lys	Cys	Arg	His	Glu	Glu	Val	Val	Gln	Val	Leu	Arg	Asn	Ala
					65				70						80
Gly	Glu	Glu	Val	Thr	Leu	Thr	Val	Ser	Phe	Leu	Lys	Arg	Ala	Pro	Ala
					85				90						95
Phe	Leu	Lys	Leu	Pro											
					100										

<210> 202

<211> 99

<212> PRT

<213> Homo sapiens

<400> 202

Ser	His	Gln	Gly	Arg	Asn	Arg	Arg	Thr	Val	Thr	Leu	Arg	Arg	Gln	Pro
1				5						10					15
Val	Gly	Gly	Leu	Gly	Leu	Ser	Ile	Lys	Gly	Gly	Ser	Glu	His	Asn	Val
					20				25						30
Pro	Val	Val	Ile	Ser	Lys	Ile	Phe	Glu	Asp	Gln	Ala	Ala	Asp	Gln	Thr
					35				40						45
Gly	Met	Leu	Phe	Val	Gly	Asp	Ala	Val	Leu	Gln	Val	Asn	Gly	Ile	His
					50				55						60
Val	Glu	Asn	Ala	Thr	His	Glu	Glu	Val	Val	His	Leu	Leu	Arg	Asn	Ala
					65				70						80
Gly	Asp	Glu	Val	Thr	Ile	Thr	Val	Glu	Tyr	Leu	Arg	Glu	Ala	Pro	Ala
					85				90						95
Phe	Leu	Lys													

<210> 203  
<211> 91  
<212> PRT  
<213> Homo sapiens

<400> 203  
Arg Gly Glu Thr Lys Glu Val Glu Val Thr Lys Thr Glu Asp Ala Leu  
1 5 10 15  
Gly Leu Thr Ile Thr Asp Asn Gly Ala Gly Tyr Ala Phe Ile Lys Arg  
20 25 30  
Ile Lys Glu Gly Ser Ile Ile Asn Arg Ile Glu Ala Val Cys Val Gly  
35 40 45  
Asp Ser Ile Glu Ala Ile Asn Asp His Ser Ile Val Gly Cys Arg His  
50 55 60  
Tyr Glu Val Ala Lys Met Leu Arg Glu Leu Pro Lys Ser Gln Pro Phe  
65 70 75 80  
Thr Leu Arg Leu Val Gln Pro Lys Arg Ala Phe  
85 90

<210> 204  
<211> 88  
<212> PRT  
<213> Homo sapiens

<400> 204  
His Ser Ile His Ile Glu Lys Ser Asp Thr Ala Ala Asp Thr Tyr Gly  
1 5 10 15  
Phe Ser Leu Ser Ser Val Glu Glu Asp Gly Ile Arg Arg Leu Tyr Val  
20 25 30  
Asn Ser Val Lys Glu Thr Gly Leu Ala Ser Lys Lys Gly Leu Lys Ala  
35 40 45  
Gly Asp Glu Ile Leu Glu Ile Asn Asn Arg Ala Ala Asp Ala Leu Asn  
50 55 60  
Ser Ser Met Leu Lys Asp Phe Leu Ser Gln Pro Ser Leu Gly Leu Leu  
65 70 75 80  
Val Arg Thr Tyr Pro Glu Leu Glu  
85

<210> 205  
<211> 97  
<212> PRT  
<213> Homo sapiens

<400> 205  
Pro Leu Asn Val Tyr Asp Val Gln Leu Thr Lys Thr Gly Ser Val Cys  
1 5 10 15  
Asp Phe Gly Phe Ala Val Thr Ala Gln Val Asp Glu Arg Gln His Leu  
20 25 30  
Ser Arg Ile Phe Ile Ser Asp Val Leu Pro Asp Gly Leu Ala Tyr Gly  
35 40 45  
Glu Gly Leu Arg Lys Gly Asn Glu Ile Met Thr Leu Asn Gly Glu Ala  
50 55 60  
Val Ser Asp Leu Asp Leu Lys Gln Met Glu Ala Leu Phe Ser Glu Lys  
65 70 75 80  
Ser Val Gly Leu Thr Leu Ile Ala Arg Pro Pro Asp Thr Lys Ala Thr  
85 90 95  
Leu

<210> 206  
<211> 103  
<212> PRT  
<213> Homo sapiens

<400> 206  
Gln Arg Val Glu Ile His Lys Leu Arg Gln Gly Glu Asn Leu Ile Leu  
1 5 10 15  
Gly Phe Ser Ile Gly Gly Ile Asp Gln Asp Pro Ser Gln Asn Pro  
20 25 30  
Phe Ser Glu Asp Lys Thr Asp Lys Gly Ile Tyr Val Thr Arg Val Ser  
35 40 45  
Glu Gly Gly Pro Ala Glu Ile Ala Gly Leu Gln Ile Gly Asp Lys Ile  
50 55 60  
Met Gln Val Asn Gly Trp Asp Met Thr Met Val Thr His Asp Gln Ala  
65 70 75 80  
Arg Lys Arg Leu Thr Lys Arg Ser Glu Glu Val Val Arg Leu Leu Val  
85 90 95  
Thr Arg Gln Ser Leu Gln Lys  
100

<210> 207  
<211> 86  
<212> PRT  
<213> Homo sapiens

<400> 207  
Arg Lys Glu Val Glu Val Phe Lys Ser Glu Asp Ala Leu Gly Leu Thr  
1 5 10 15  
Ile Thr Asp Asn Gly Ala Gly Tyr Ala Phe Ile Lys Arg Ile Lys Glu  
20 25 30  
Gly Ser Val Ile Asp His Ile His Leu Ile Ser Val Gly Asp Met Ile  
35 40 45  
Glu Ala Ile Asn Gly Gln Ser Leu Leu Gly Cys Arg His Tyr Glu Val  
50 55 60  
Ala Arg Leu Leu Lys Glu Leu Pro Arg Gly Arg Thr Phe Thr Leu Lys  
65 70 75 80  
Leu Thr Glu Pro Arg Lys  
85

<210> 208  
<211> 91  
<212> PRT  
<213> Homo sapiens

<400> 208  
His Ser His Pro Arg Val Val Glu Leu Pro Lys Thr Asp Glu Gly Leu  
1 5 10 15  
Gly Phe Asn Val Met Gly Gly Lys Glu Gln Asn Ser Pro Ile Tyr Ile  
20 25 30  
Ser Arg Ile Ile Pro Gly Gly Val Ala Glu Arg His Gly Gly Leu Lys  
35 40 45  
Arg Gly Asp Gln Leu Leu Ser Val Asn Gly Val Ser Val Glu Gly Glu  
50 55 60  
His His Glu Lys Ala Val Glu Leu Leu Lys Ala Ala Lys Asp Ser Val

65	70	75	80							
Lys	Leu	Val	Val	Arg	Tyr	Thr	Pro	Lys	Val	Leu
		85					90			

<210> 209

<211> 96

<212> PRT

<213> Homo sapiens

<400> 209

Ile	Ser	Asn	Gln	Lys	Arg	Gly	Val	Lys	Val	Leu	Lys	Gln	Glu	Leu	Gly
1				5				10				15			
Gly	Leu	Gly	Ile	Ser	Ile	Lys	Gly	Gly	Lys	Glu	Asn	Lys	Met	Pro	Ile
	20					25						30			
Leu	Ile	Ser	Lys	Ile	Phe	Lys	Gly	Leu	Ala	Ala	Asp	Gln	Thr	Gln	Ala
	35					40					45				
Leu	Tyr	Val	Gly	Asp	Ala	Ile	Leu	Ser	Val	Asn	Gly	Ala	Asp	Leu	Arg
	50					55				60					
Asp	Ala	Thr	His	Asp	Glu	Ala	Val	Gln	Ala	Leu	Lys	Arg	Ala	Gly	Lys
	65				70			75			80				
Glu	Val	Leu	Leu	Glu	Val	Lys	Tyr	Met	Arg	Glu	Ala	Thr	Pro	Tyr	Val
					85			90			95				

<210> 210

<211> 110

<212> PRT

<213> Homo sapiens

<400> 210

Ile	His	Phe	Ser	Asn	Ser	Glu	Asn	Cys	Lys	Glu	Leu	Gln	Leu	Glu	Lys
1				5				10				15			
His	Lys	Gly	Glu	Ile	Leu	Gly	Val	Val	Val	Val	Glu	Ser	Gly	Trp	Gly
	20					25						30			
Ser	Ile	Leu	Pro	Thr	Val	Ile	Leu	Ala	Asn	Met	Met	Asn	Gly	Gly	Pro
	35					40					45				
Ala	Ala	Arg	Ser	Gly	Lys	Leu	Ser	Ile	Gly	Asp	Gln	Ile	Met	Ser	Ile
	50				55				60						
Asn	Gly	Thr	Ser	Leu	Val	Gly	Leu	Pro	Leu	Ala	Thr	Cys	Gln	Gly	Ile
	65				70				75			80			
Ile	Lys	Gly	Leu	Lys	Asn	Gln	Thr	Gln	Val	Lys	Leu	Asn	Ile	Val	Ser
					85				90			95			
Cys	Pro	Pro	Val	Thr	Thr	Val	Leu	Ile	Lys	Arg	Asn	Ser	Ser		
					100			105			110				

<210> 211

<211> 94

<212> PRT

<213> Homo sapiens

<400> 211

Ile	Pro	Pro	Val	Thr	Thr	Val	Leu	Ile	Lys	Arg	Pro	Asp	Leu	Lys	Tyr
1				5				10			15				
Gln	Leu	Gly	Phe	Ser	Val	Gln	Asn	Gly	Ile	Ile	Cys	Ser	Leu	Met	Arg
	20					25					30				
Gly	Gly	Ile	Ala	Glu	Arg	Gly	Gly	Val	Arg	Val	Gly	His	Arg	Ile	Ile
	35				40					45					
Glu	Ile	Asn	Gly	Gln	Ser	Val	Val	Ala	Thr	Ala	His	Glu	Lys	Ile	Val

50	55	60
Gln Ala Leu Ser Asn Ser Val Gly Glu Ile His Met Lys Thr Met Pro		
65	70	75
Ala Ala Met Phe Arg Leu Leu Thr Gly Gln Glu Asn Ser Ser		
85	90	

<210> 212  
 <211> 101  
 <212> PRT  
 <213> Homo sapiens

<400> 212  
 Ile Trp Glu Gln His Thr Val Thr Leu His Arg Ala Pro Gly Phe Gly  
 1 5 10 15  
 Phe Gly Ile Ala Ile Ser Gly Gly Arg Asp Asn Pro His Phe Gln Ser  
 20 25 30  
 Gly Glu Thr Ser Ile Val Ile Ser Asp Val Leu Lys Gly Gly Pro Ala  
 35 40 45  
 Glu Gly Gln Leu Gln Glu Asn Asp Arg Val Ala Met Val Asn Gly Val  
 50 55 60  
 Ser Met Asp Asn Val Glu His Ala Phe Ala Val Gln Gln Leu Arg Lys  
 65 70 75 80  
 Ser Gly Lys Asn Ala Lys Ile Thr Ile Arg Arg Lys Lys Lys Val Gln  
 85 90 95  
 Ile Pro Asn Ser Ser  
 100

<210> 213  
 <211> 95  
 <212> PRT  
 <213> Homo sapiens

<400> 213  
 Ile Ser Ser Gln Pro Ala Lys Pro Thr Lys Val Thr Leu Val Lys Ser  
 1 5 10 15  
 Arg Lys Asn Glu Glu Tyr Gly Leu Arg Leu Ala Ser His Ile Phe Val  
 20 25 30  
 Lys Glu Ile Ser Gln Asp Ser Leu Ala Ala Arg Asp Gly Asn Ile Gln  
 35 40 45  
 Glu Gly Asp Val Val Leu Lys Ile Asn Gly Thr Val Thr Glu Asn Met  
 50 55 60  
 Ser Leu Thr Asp Ala Lys Thr Leu Ile Glu Arg Ser Lys Gly Lys Leu  
 65 70 75 80  
 Lys Met Val Val Gln Arg Asp Arg Ala Thr Leu Leu Asn Ser Ser  
 85 90 95

<210> 214  
 <211> 90  
 <212> PRT  
 <213> Homo sapiens

<400> 214  
 Ile Arg Met Lys Leu Val Lys Phe Arg Lys Gly Asp Ser Val Gly Leu  
 1 5 10 15  
 Arg Leu Ala Gly Gly Asn Asp Val Gly Ile Phe Val Ala Gly Val Leu  
 20 25 30  
 Glu Asp Ser Pro Ala Ala Lys Glu Gly Leu Glu Glu Gly Asp Gln Ile

35	40	45
Leu Arg Val Asn Asn Val Asp Phe Thr Asn Ile Ile Arg Glu Glu Ala		
50	55	60
Val Leu Phe Leu Leu Asp Leu Pro Lys Gly Glu Glu Val Thr Ile Leu		
65	70	75
Ala Gln Lys Lys Lys Asp Val Phe Ser Asn		
85	90	

<210> 215  
 <211> 96  
 <212> PRT  
 <213> Homo sapiens

<400> 215  
 Leu Ile Trp Glu Gln Tyr Thr Val Thr Leu Gln Lys Asp Ser Lys Arg  
 1 5 10 15  
 Gly Phe Gly Ile Ala Val Ser Gly Gly Arg Asp Asn Pro His Phe Glu  
 20 25 30  
 Asn Gly Thr Ser Ile Val Ile Ser Asp Val Leu Pro Gly Gly Pro  
 35 40 45  
 Ala Asp Gly Leu Leu Gln Glu Asn Asp Arg Val Val Met Val Asn Gly  
 50 55 60  
 Thr Pro Met Glu Asp Val Leu His Ser Phe Ala Val Gln Gln Leu Arg  
 65 70 75 80  
 Lys Ser Gly Lys Val Ala Ala Ile Val Val Lys Arg Pro Arg Lys Val  
 85 90 95

<210> 216  
 <211> 79  
 <212> PRT  
 <213> Homo sapiens

<400> 216  
 Arg Val Leu Leu Met Lys Ser Arg Ala Asn Glu Glu Tyr Gly Leu Arg  
 1 5 10 15  
 Leu Gly Ser Gln Ile Phe Val Lys Glu Met Thr Arg Thr Gly Leu Ala  
 20 25 30  
 Thr Lys Asp Gly Asn Leu His Glu Gly Asp Ile Ile Leu Lys Ile Asn  
 35 40 45  
 Gly Thr Val Thr Glu Asn Met Ser Leu Thr Asp Ala Arg Lys Leu Ile  
 50 55 60  
 Glu Lys Ser Arg Gly Lys Leu Gln Leu Val Val Leu Arg Asp Ser  
 65 70 75

<210> 217  
 <211> 90  
 <212> PRT  
 <213> Homo sapiens

<400> 217  
 His Ala Pro Asn Thr Lys Met Val Arg Phe Lys Lys Gly Asp Ser Val  
 1 5 10 15  
 Gly Leu Arg Leu Ala Gly Gly Asn Asp Val Gly Ile Phe Val Ala Gly  
 20 25 30  
 Ile Gln Glu Gly Thr Ser Ala Glu Gln Glu Gly Leu Gln Glu Gly Asp  
 35 40 45  
 Gln Ile Leu Lys Val Asn Thr Gln Asp Phe Arg Gly Leu Val Arg Glu

50	55	60
Asp Ala Val Leu Tyr	Leu Leu Glu Ile Pro Lys	Gly Glu Met Val Thr
65	70	75
Ile Leu Ala Gln Ser Arg Ala Asp Val Tyr		
	85	90

<210> 218  
 <211> 106  
 <212> PRT  
 <213> Homo sapiens

1	5	10	15
Lys Asp Pro Arg Arg Gly	Phe Gly Ile Ala Ile Ser Gly	Gly Arg Asp	
20	25	30	
Arg Pro Gly Gly Ser Met Val Val Ser Asp Val Val Pro	Gly Gly Pro		
35	40	45	
Ala Glu Gly Arg Leu Gln Thr Gly Asp His Ile Val Met Val Asn Gly			
50	55	60	
Val Ser Met Glu Asn Ala Thr Ser Ala Phe Ala Ile Gln Ile Leu Lys			
65	70	75	80
Thr Cys Thr Lys Met Ala Asn Ile Thr Val Lys Arg Pro Arg Arg Ile			
85	90	95	
His Leu Pro Ala Glu Phe Ile Val Thr Asp			
100	105		

<210> 219  
 <211> 98  
 <212> PRT  
 <213> Homo sapiens

1	5	10	15
Asp Ser Glu Glu Phe Gly Val Lys Leu Gly Ser Gln Ile Phe Ile Lys			
20	25	30	
His Ile Thr Asp Ser Gly Leu Ala Ala Arg His Arg Gly Leu Gln Glu			
35	40	45	
Gly Asp Leu Ile Leu Gln Ile Asn Gly Val Ser Ser Gln Asn Leu Ser			
50	55	60	
Leu Asn Asp Thr Arg Arg Leu Ile Glu Lys Ser Glu Gly Lys Leu Ser			
65	70	75	80
Leu Leu Val Leu Arg Asp Arg Gly Gln Phe Leu Val Asn Ile Pro Asn			
85	90	95	
Ser Ser			

<210> 220  
 <211> 104  
 <212> PRT  
 <213> Homo sapiens

1	5	10	15
Arg Gly Tyr Ser Pro Asp Thr Arg Val Val Arg Phe Leu Lys Gly Lys			
Ser Ile Gly Leu Arg Leu Ala Gly Gly Asn Asp Val Gly Ile Phe Val			

20	25	30													
Ser	Gly	Val	Gln	Ala	Gly	Ser	Pro	Ala	Asp	Gly	Gln	Gly	Ile	Gln	Glu
35							40						45		
Gly	Asp	Gln	Ile	Leu	Gln	Val	Asn	Asp	Val	Pro	Phe	Gln	Asn	Leu	Thr
50							55				60				
Arg	Glu	Glu	Ala	Val	Gln	Phe	Leu	Leu	Gly	Leu	Pro	Pro	Gly	Glu	Glu
65							70			75			80		
Met	Glu	Leu	Val	Thr	Gln	Arg	Lys	Gln	Asp	Ile	Phe	Trp	Lys	Met	Val
									85		90			95	
Gln	Ser	Glu	Phe	Ile	Val	Thr	Asp								
									100						

<210> 221  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 221  
Gly Tyr Cys Arg Asn Cys Ile Arg Lys Gln  
1 5 10

<210> 222  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 222  
Trp Thr Thr Cys Met Glu Asp Leu Leu Pro  
1 5 10

<210> 223  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 223  
Gly Ile Cys Arg Leu Cys Lys His Phe Gln  
1 5 10

<210> 224  
<211> 10  
<212> PRT  
<213> Homo sapiens

<400> 224  
Lys Gly Leu Cys Arg Gln Cys Lys Gln Ile  
1 5 10

<210> 225  
<211> 10  
<212> PRT  
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Cys Cys Arg Asn Cys Tyr Glu His Glu Gly  
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aaaggatcca ttttatgcac caaaag 26

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aggagatctc atacttaata ttatac 26

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ctgggatcct catcaacgtg ttcttgatga tc		32
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aagaaagctt tttatgcacc aaaagag		27
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cttgaagctt tcagcgtcgt tgaggcgt		28
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<211> 225

<212> PRT

<213> Homo sapiens

<400> 272

Met Ser Pro Ile Leu Gly Tyr Trp Lys Ile Lys Gly Leu Val Gln Pro  
1 5 10 15  
Thr Arg Leu Leu Leu Glu Tyr Leu Glu Glu Lys Tyr Glu Glu His Leu  
20 25 30  
Tyr Glu Arg Asp Glu Gly Asp Lys Trp Arg Asn Lys Lys Phe Glu Leu  
35 40 45  
Gly Leu Glu Phe Pro Asn Leu Pro Tyr Tyr Ile Asp Gly Asp Val Lys  
50 55 60  
Leu Thr Gln Ser Met Ala Ile Ile Arg Tyr Ile Ala Asp Lys His Asn  
65 70 75 80  
Met Leu Gly Gly Cys Pro Lys Glu Arg Ala Glu Ile Ser Met Leu Glu  
85 90 95  
Gly Ala Val Leu Asp Ile Arg Tyr Gly Val Ser Arg Ile Ala Tyr Ser  
100 105 110  
Lys Asp Phe Glu Thr Leu Lys Val Asp Phe Leu Ser Lys Leu Pro Glu  
115 120 125  
Met Leu Lys Met Phe Glu Asp Arg Leu Cys His Lys Thr Tyr Leu Asn  
130 135 140  
Gly Asp His Val Thr His Pro Asp Phe Met Leu Tyr Asp Ala Leu Asp  
145 150 155 160  
Val Val Leu Tyr Met Asp Pro Met Cys Leu Asp Ala Phe Pro Lys Leu  
165 170 175  
Val Cys Phe Lys Lys Arg Ile Glu Ala Ile Pro Gln Ile Asp Lys Tyr  
180 185 190  
Leu Lys Ser Ser Lys Tyr Ile Ala Trp Pro Leu Gln Gly Trp Gln Ala  
195 200 205  
Thr Phe Gly Gly Asp His Pro Pro Lys Ser Asp Leu Ile Glu Gly  
210 215 220

Arg

225

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aatggggatc cagctcatta aagg

24

<210> 274

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<212> DNA

<213> Homo sapiens

<400> 274

atacataactt gtggaattcg ccac

24

<210> 275

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<212> DNA

<213> Homo sapiens

<400> 275

cacggatccc ttctgagttg aaaggc

26

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acggaattct gcagcgactg ccgcgtc	27	
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aggatccaga tgtcctacat ccc	23	
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ggaattcatg gactgctgca cg	23	
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agagaattct cgagatgtcc tacatccc	28	
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tggaaattcc taggacagca tggactg	27	
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<400> 283

ctaggatccg ggccagccgg tcacc

25

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<400> 284

gacggatccc cctgctgcac ggccttctg

29

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<212> DNA

<213> Homo sapiens

<400> 285

gacgaattcc cctgctgcac ggccttctg

29

<210> 286

<211> 25

<212> DNA

<213> Homo sapiens

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ctagaattcg ggccagccgg tcacc

25

<210> 287

<211> 82

<212> PRT

<213> Homo sapiens

<400> 287

Leu Ile Lys Gly Pro Lys Gly Leu Gly Phe Ser Ile Ala Gly Gly Val  
1 5 10 15

Gly Asn Gln His Ile Pro Gly Asp Asn Ser Ile Tyr Val Thr Lys Ile  
20 25 30

Ile Glu Gly Gly Ala Ala His Lys Asp Gly Lys Leu Gln Ile Gly Asp  
35 40 45

Lys Leu Leu Ala Val Asn Asn Val Cys Leu Glu Glu Val Thr His Glu  
50 55 60

Glu Ala Val Thr Ala Leu Lys Asn Thr Ser Asp Phe Val Tyr Leu Lys  
65 70 75 80

Val Ala

<210> 288

<211> 101

<212> PRT

<213> Homo sapiens

<400> 288

Pro Ser Glu Leu Lys Gly Lys Phe Ile His Thr Lys Leu Arg Lys Ser  
1 5 10 15

Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu Pro Asp Glu  
20 25 30

Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala Ala Leu Asp

35	40	45
Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn Asp Thr Cys		
50	55	60
Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe Gln Ser Ile		
65	70	75
Pro Ile Gly Ala Ser Val Asp Leu Glu Leu Cys Arg Gly Tyr Pro Leu		
85	90	95
Pro Phe Asp Pro Asp		
100		

<210> 289  
<211> 102  
<212> PRT  
<213> Homo sapiens

<400> 289			
Gln Arg Val Glu Ile His Lys Leu Arg Gln Gly Glu Asn Leu Ile Leu			
1	5	10	15
Gly Phe Ser Ile Gly Gly Ile Asp Gln Asp Pro Ser Gln Asn Pro			
20	25	30	
Phe Ser Glu Asp Lys Thr Asp Lys Gly Ile Tyr Val Thr Arg Val Ser			
35	40	45	
Glu Gly Gly Pro Ala Glu Ile Ala Gly Leu Gln Ile Gly Asp Lys Ile			
50	55	60	
Met Gln Val Asn Gly Trp Asp Met Thr Met Val Thr His Asp Gln Ala			
65	70	75	80
Arg Lys Arg Leu Thr Lys Arg Ser Glu Glu Val Val Arg Leu Leu Val			
85	90	95	
Thr Arg Gln Ser Leu Gln			
100			

<210> 290  
<211> 122  
<212> PRT  
<213> Homo sapiens

<400> 290			
Met Ser Tyr Ile Pro Gly Gln Pro Val Thr Ala Val Val Gln Arg Val			
1	5	10	15
Glu Ile His Lys Leu Arg Gln Gly Glu Asn Leu Ile Leu Gly Phe Ser			
20	25	30	
Ile Gly Gly Ile Asp Gln Asp Pro Ser Gln Asn Pro Phe Ser Glu			
35	40	45	
Asp Lys Thr Asp Lys Gly Ile Tyr Val Thr Arg Val Ser Glu Gly Gly			
50	55	60	
Pro Ala Glu Ile Ala Gly Leu Gln Ile Gly Asp Lys Ile Met Gln Val			
65	70	75	80
Asn Gly Trp Asp Met Thr Met Val Thr His Asp Gln Ala Arg Lys Arg			
85	90	95	
Leu Thr Lys Arg Ser Glu Glu Val Val Arg Leu Leu Val Thr Arg Gln			
100	105	110	
Ser Leu Gln Lys Ala Val Gln Gln Ser Met			
115	120		

<210> 291  
<211> 125  
<212> PRT

<213> Homo sapiens

<400> 291

Glu	Met	Ser	Tyr	Ile	Pro	Gly	Gln	Pro	Val	Thr	Ala	Val	Val	Gln	Arg
1				5					10					15	
Val	Glu	Ile	His	Lys	Leu	Arg	Gln	Gly	Glu	Asn	Leu	Ile	Leu	Gly	Phe
				20				25					30		
Ser	Ile	Gly	Gly	Gly	Ile	Asp	Gln	Asp	Pro	Ser	Gln	Asn	Pro	Phe	Ser
				35				40				45			
Glu	Asp	Lys	Thr	Asp	Lys	Gly	Ile	Tyr	Val	Thr	Arg	Val	Ser	Glu	Gly
				50				55			60				
Gly	Pro	Ala	Glu	Ile	Ala	Gly	Leu	Gln	Ile	Gly	Asp	Lys	Ile	Met	Gln
				65				70			75		80		
Val	Asn	Gly	Trp	Asp	Met	Thr	Met	Val	Thr	His	Asp	Gln	Ala	Arg	Lys
				85				90				95			
Arg	Leu	Thr	Lys	Arg	Ser	Glu	Glu	Val	Val	Arg	Leu	Leu	Val	Thr	Arg
				100				105				110			
Gln	Ser	Leu	Gln	Lys	Ala	Val	Gln	Gln	Ser	Met	Leu	Ser			
				115				120				125			

<210> 292

<211> 117

<212> PRT

<213> Homo sapiens

<400> 292

Pro	Gly	Gln	Pro	Val	Thr	Ala	Val	Val	Gln	Arg	Val	Glu	Ile	His	Lys
1				5				10				15			
Leu	Arg	Gln	Gly	Glu	Asn	Leu	Ile	Leu	Gly	Phe	Ser	Ile	Gly	Gly	Gly
				20				25				30			
Ile	Asp	Gln	Asp	Pro	Ser	Gln	Asn	Pro	Phe	Ser	Glu	Asp	Lys	Thr	Asp
				35				40			45				
Lys	Gly	Ile	Tyr	Val	Thr	Arg	Val	Ser	Glu	Gly	Gly	Pro	Ala	Glu	Ile
				50				55			60				
Ala	Gly	Leu	Gln	Ile	Gly	Asp	Lys	Ile	Met	Gln	Val	Asn	Gly	Trp	Asp
				65				70			75		80		
Met	Thr	Met	Val	Thr	His	Asp	Gln	Ala	Arg	Lys	Arg	Leu	Thr	Lys	Arg
				85				90			95				
Ser	Glu	Glu	Val	Val	Arg	Leu	Leu	Val	Thr	Arg	Gln	Ser	Leu	Gln	Lys
				100				105			110				
Ala	Val	Gln	Gln	Ser											
				115											

<210> 293

<211> 72

<212> PRT

<213> Homo sapiens

<400> 293

Arg	Lys	Ser	Ser	Arg	Gly	Phe	Gly	Phe	Thr	Val	Val	Gly	Gly	Asp	Glu
1				5				10				15			
Pro	Asp	Glu	Phe	Leu	Gln	Ile	Lys	Ser	Leu	Val	Leu	Asp	Gly	Pro	Ala
				20				25			30				
Ala	Leu	Asp	Gly	Lys	Met	Glu	Thr	Gly	Asp	Val	Ile	Val	Ser	Val	Asn
				35				40			45				
Asp	Thr	Cys	Val	Leu	Gly	His	Thr	His	Ala	Gln	Val	Val	Lys	Ile	Phe
				50				55			60				
Gln	Ser	Ile	Pro	Ile	Gly	Ala	Ser								

<210> 294  
 <211> 76  
 <212> PRT  
 <213> Homo sapiens

<400> 294  
 Phe Ile His Thr Lys Leu Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr  
 1 5 10 15  
 Val Val Gly Gly Asp Glu Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu  
 20 25 30  
 Val Leu Asp Gly Pro Ala Ala Leu Asp Gly Lys Met Glu Thr Gly Asp  
 35 40 45  
 Val Ile Val Ser Val Asn Asp Thr Cys Val Leu Gly His Thr His Ala  
 50 55 60  
 Gln Val Val Lys Ile Phe Gln Ser Ile Pro Ile Gly  
 65 70 75

<210> 295  
 <211> 85  
 <212> PRT  
 <213> Homo sapiens

<400> 295  
 Phe Ile His Thr Lys Leu Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr  
 1 5 10 15  
 Val Val Gly Gly Asp Glu Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu  
 20 25 30  
 Val Leu Asp Gly Pro Ala Ala Leu Asp Gly Lys Met Glu Thr Gly Asp  
 35 40 45  
 Val Ile Val Ser Val Asn Asp Thr Cys Val Leu Gly His Thr His Ala  
 50 55 60  
 Gln Val Val Lys Ile Phe Gln Ser Ile Pro Ile Gly Ala Ser Val Asp  
 65 70 75 80  
 Leu Glu Leu Cys Arg  
 85

<210> 296  
 <211> 78  
 <212> PRT  
 <213> Homo sapiens

<400> 296  
 Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu Pro  
 1 5 10 15  
 Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala Ala  
 20 25 30  
 Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn Asp  
 35 40 45  
 Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe Gln  
 50 55 60  
 Ser Ile Pro Ile Gly Ala Ser Val Asp Leu Glu Leu Cys Arg  
 65 70 75

<210> 297

<211> 88  
<212> PRT  
<213> Homo sapiens

<400> 297  
Phe Ile His Thr Lys Leu Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr  
1 5 10 15  
Val Val Gly Gly Asp Glu Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu  
20 25 30  
Val Leu Asp Gly Pro Ala Ala Leu Asp Gly Lys Met Glu Thr Gly Asp  
35 40 45  
Val Ile Val Ser Val Asn Asp Thr Cys Val Leu Gly His Thr His Ala  
50 55 60  
Gln Val Val Lys Ile Phe Gln Ser Ile Pro Ile Gly Ala Ser Val Asp  
65 70 75 80  
Leu Glu Leu Cys Arg Gly Tyr Pro  
85

<210> 298  
<211> 88  
<212> PRT  
<213> Homo sapiens

<400> 298  
Lys Gly Lys Phe Ile His Thr Lys Leu Arg Lys Ser Ser Arg Gly Phe  
1 5 10 15  
Gly Phe Thr Val Val Gly Gly Asp Glu Pro Asp Glu Phe Leu Gln Ile  
20 25 30  
Lys Ser Leu Val Leu Asp Gly Pro Ala Ala Leu Asp Gly Lys Met Glu  
35 40 45  
Thr Gly Asp Val Ile Val Ser Val Asn Asp Thr Cys Val Leu Gly His  
50 55 60  
Thr His Ala Gln Val Val Lys Ile Phe Gln Ser Ile Pro Ile Gly Ala  
65 70 75 80  
Ser Val Asp Leu Glu Leu Cys Arg  
85

<210> 299  
<211> 81  
<212> PRT  
<213> Homo sapiens

<400> 299  
Lys Gly Lys Phe Ile His Thr Lys Leu Arg Lys Ser Ser Arg Gly Phe  
1 5 10 15  
Gly Phe Thr Val Val Gly Gly Asp Glu Pro Asp Glu Phe Leu Gln Ile  
20 25 30  
Lys Ser Leu Val Leu Asp Gly Pro Ala Ala Leu Asp Gly Lys Met 'Glu  
35 40 45  
Thr Gly Asp Val Ile Val Ser Val Asn Asp Thr Cys Val Leu Gly His  
50 55 60  
Thr His Ala Gln Val Val Lys Ile Phe Gln Ser Ile Pro Ile Gly Ala  
65 70 75 80  
Ser

<210> 300

<211> 94  
<212> PRT  
<213> Homo sapiens

<400> 300  
Glu Leu Lys Gly Lys Phe Ile His Thr Lys Leu Arg Lys Ser Ser Arg  
1 5 10 15  
Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu Pro Asp Glu Phe Leu  
20 25 30  
Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala Ala Leu Asp Gly Lys  
35 40 45  
Met Glu Thr Gly Asp Val Ile Val Ser Val Asn Asp Thr Cys Val Leu  
50 55 60  
Gly His Thr His Ala Gln Val Val Lys Ile Phe Gln Ser Ile Pro Ile  
65 70 75 80  
Gly Ala Ser Val Asp Leu Glu Leu Cys Arg Gly Tyr Pro Leu  
85 90

<210> 301  
<211> 99  
<212> PRT  
<213> Homo sapiens

<400> 301  
Ser Glu Leu Lys Gly Lys Phe Ile His Thr Lys Leu Arg Lys Ser Ser  
1 5 10 15  
Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu Pro Asp Glu Phe  
20 25 30  
Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala Ala Leu Asp Gly  
35 40 45  
Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn Asp Thr Cys Val  
50 55 60  
Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe Gln Ser Ile Pro  
65 70 75 80  
Ile Gly Ala Ser Val Asp Leu Glu Leu Cys Arg Gly Tyr Pro Leu Pro  
85 90 95  
Phe Asp Pro

<210> 302  
<211> 72  
<212> PRT  
<213> Homo sapiens

<400> 302  
Arg Lys Ser Ala Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu  
1 5 10 15  
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala  
20 25 30  
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn  
35 40 45  
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe  
50 55 60  
Gln Ser Ile Pro Ile Gly Ala Ser  
65 70

<210> 303

<211> 72  
<212> PRT  
<213> Homo sapiens

<400> 303  
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Glu Glu  
1 5 10 15  
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala  
20 25 30  
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn  
35 40 45  
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe  
50 55 60  
Gln Ser Ile Pro Ile Gly Ala Ser  
65 70

<210> 304  
<211> 72  
<212> PRT  
<213> Homo sapiens

<400> 304  
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu  
1 5 10 15  
Pro Asp Glu Phe Leu Gln Leu Lys Ser Leu Val Leu Asp Gly Pro Ala  
20 25 30  
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn  
35 40 45  
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe  
50 55 60  
Gln Ser Ile Pro Ile Gly Ala Ser  
65 70

<210> 305  
<211> 72  
<212> PRT  
<213> Homo sapiens

<400> 305  
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu  
1 5 10 15  
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala  
20 25 30  
Ser Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn  
35 40 45  
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe  
50 55 60  
Gln Ser Ile Pro Ile Gly Ala Ser  
65 70

<210> 306  
<211> 72  
<212> PRT  
<213> Homo sapiens

<400> 306  
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu

1	5	10	15
Pro Asp Glu Phe Leu Gln Ile Lys Ser	Leu Val Leu Asp Gly	Pro Ala	
20	25	30	
Ala Leu Asp Gly Arg Met Glu Thr Gly Asp Val Ile Val Ser Val Asn			
35	40	45	
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe			
50	55	60	
Gln Ser Ile Pro Ile Gly Ala Ser			
65	70		

<210> 307

<211> 72

<212> PRT

<213> Homo sapiens

<400> 307

Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Asp Glu			
1	5	10	15
Pro Asp Glu Phe Leu Gln Ile Lys Ser	Leu Val Leu Asp Gly	Pro Ala	
20	25	30	
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ala Val Asn			
35	40	45	
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe			
50	55	60	
Gln Ser Ile Pro Ile Gly Ala Ser			
65	70		

<210> 308

<211> 72

<212> PRT

<213> Homo sapiens

<400> 308

Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Asp Glu			
1	5	10	15
Pro Asp Glu Phe Leu Gln Ile Lys Ser	Leu Val Leu Asp Gly	Pro Ala	
20	25	30	
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn			
35	40	45	
Glu Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe			
50	55	60	
Gln Ser Ile Pro Ile Gly Ala Ser			
65	70		

<210> 309

<211> 72

<212> PRT

<213> Homo sapiens

<400> 309

Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Asp Glu			
1	5	10	15
Pro Asp Glu Phe Leu Gln Ile Lys Ser	Leu Val Leu Asp Gly	Pro Ala	
20	25	30	
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn			
35	40	45	
Asp Thr Cys Leu Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe			

50	55	60
Gln Ser Ile Pro Ile Gly Ala Ser		
65	70	

<210> 310  
<211> 72  
<212> PRT  
<213> Homo sapiens

<400> 310  
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu  
1 5 10 15  
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala  
20 25 30  
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn  
35 40 45  
Asp Thr Cys Val Leu Gly His Thr His Ser Gln Val Val Lys Ile Phe  
50 55 60  
Gln Ser Ile Pro Ile Gly Ala Ser  
65 70

<210> 311  
<211> 72  
<212> PRT  
<213> Homo sapiens

<400> 311  
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu  
1 5 10 15  
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala  
20 25 30  
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn  
35 40 45  
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Leu Phe  
50 55 60  
Gln Ser Ile Pro Ile Gly Ala Ser  
65 70

<210> 312  
<211> 72  
<212> PRT  
<213> Homo sapiens

<400> 312  
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu  
1 5 10 15  
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala  
20 25 30  
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn  
35 40 45  
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe  
50 55 60  
Gln Ser Ile Pro Ile Gly Ser Ser  
65 70

<210> 313

<211> 72  
<212> PRT  
<213> Homo sapiens

<400> 313  
Arg Lys Ser Thr Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu  
1 5 10 15  
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala  
20 25 30  
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn  
35 40 45  
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe  
50 55 60  
Gln Ser Ile Pro Ile Gly Ala Ser  
65 70

<210> 314  
<211> 72  
<212> PRT  
<213> Homo sapiens

<400> 314  
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu  
1 5 10 15  
Pro Gly Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala  
20 25 30  
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn  
35 40 45  
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe  
50 55 60  
Gln Ser Ile Pro Ile Gly Ala Ser  
65 70

<210> 315  
<211> 72  
<212> PRT  
<213> Homo sapiens

<400> 315  
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu  
1 5 10 15  
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Ala Leu Asp Gly Pro Ala  
20 25 30  
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn  
35 40 45  
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe  
50 55 60  
Gln Ser Ile Pro Ile Gly Ala Ser  
65 70

<210> 316  
<211> 72  
<212> PRT  
<213> Homo sapiens

<400> 316  
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu

1	5	10	15												
Pro	Asp	Glu	Phe	Leu	Gln	Ile	Lys	Ser	Leu	Val	Leu	Asp	Gly	Pro	Ala
20								25					30		
Ala	Leu	Ala	Gly	Lys	Met	Glu	Thr	Gly	Asp	Val	Ile	Val	Ser	Val	Asn
35								40					45		
Asp	Thr	Cys	Val	Leu	Gly	His	Thr	His	Ala	Gln	Val	Val	Lys	Ile	Phe
50							55					60			
Gln	Ser	Ile	Pro	Ile	Gly	Ala	Ser								
65							70								

<210> 317

<211> 72

<212> PRT

<213> Homo sapiens

<400> 317

1	5	10	15												
Pro	Asp	Glu	Phe	Leu	Gln	Ile	Lys	Ser	Leu	Val	Leu	Asp	Gly	Pro	Ala
20								25					30		
Ala	Leu	Asp	Gly	Lys	Met	Glu	Thr	Ala	Asp	Val	Ile	Val	Ser	Val	Asn
35								40					45		
Asp	Thr	Cys	Val	Leu	Gly	His	Thr	His	Ala	Gln	Val	Val	Lys	Ile	Phe
50							55					60			
Gln	Ser	Ile	Pro	Ile	Gly	Ala	Ser								
65							70								

<210> 318

<211> 72

<212> PRT

<213> Homo sapiens

<400> 318

1	5	10	15												
Pro	Asp	Glu	Phe	Leu	Gln	Ile	Lys	Ser	Leu	Val	Leu	Asp	Gly	Pro	Ala
20								25					30		
Ala	Leu	Asp	Gly	Lys	Met	Glu	Thr	Gly	Asp	Val	Ile	Val	Ser	Val	Asn
35								40					45		
Asp	Thr	Ala	Val	Leu	Gly	His	Thr	His	Ala	Gln	Val	Val	Lys	Ile	Phe
50							55					60			
Gln	Ser	Ile	Pro	Ile	Gly	Ala	Ser								
65							70								

<210> 319

<211> 72

<212> PRT

<213> Homo sapiens

<400> 319

1	5	10	15												
Pro	Asp	Glu	Phe	Leu	Gln	Ile	Lys	Ser	Leu	Val	Leu	Asp	Gly	Pro	Ala
20								25					30		
Ala	Leu	Asp	Gly	Lys	Met	Glu	Thr	Gly	Asp	Val	Ile	Val	Ser	Val	Asn
35								40					45		
Asp	Thr	Cys	Val	Leu	Gly	His	Thr	His	Ala	Gln	Ala	Val	Lys	Ile	Phe

50	55	60
Gln Ser Ile Pro Ile Gly Ala Ser		
65	70	

<210> 320  
<211> 72  
<212> PRT  
<213> Homo sapiens

<400> 320  
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu  
1 5 10 15  
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala  
20 25 30  
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn  
35 40 45  
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe  
50 55 60  
Gln Ser Ile Ala Ile Gly Ala Ser  
65 70

<210> 321  
<211> 72  
<212> PRT  
<213> Homo sapiens

<400> 321  
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu  
1 5 10 15  
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala  
20 25 30  
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn  
35 40 45  
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe  
50 55 60  
Gln Ser Ile Pro Ile Gly Ala Ala  
65 70

<210> 322  
<211> 72  
<212> PRT  
<213> Homo sapiens

<400> 322  
Arg Lys Ser Ser Ser Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu  
1 5 10 15  
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala  
20 25 30  
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn  
35 40 45  
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe  
50 55 60  
Gln Ser Ile Pro Ile Gly Ala Ser  
65 70

<210> 323

<211> 72  
<212> PRT  
<213> Homo sapiens

<400> 323  
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Leu Glu  
1 5 10 15  
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala  
20 25 30  
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn  
35 40 45  
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe  
50 55 60  
Gln Ser Ile Pro Ile Gly Ala Ser  
65 70

<210> 324  
<211> 72  
<212> PRT  
<213> Homo sapiens

<400> 324  
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu  
1 5 10 15  
Pro Asp Glu Phe Leu Gln Ile Thr Ser Leu Val Leu Asp Gly Pro Ala  
20 25 30  
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn  
35 40 45  
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe  
50 55 60  
Gln Ser Ile Pro Ile Gly Ala Ser  
65 70

<210> 325  
<211> 72  
<212> PRT  
<213> Homo sapiens

<400> 325  
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu  
1 5 10 15  
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala  
20 25 30  
Gly Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn  
35 40 45  
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe  
50 55 60  
Gln Ser Ile Pro Ile Gly Ala Ser  
65 70

<210> 326  
<211> 72  
<212> PRT  
<213> Homo sapiens

<400> 326  
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu

1	5	10	15												
Pro	Asp	Glu	Phe	Leu	Gln	Ile	Lys	Ser	Leu	Val	Leu	Asp	Gly	Pro	Ala
20	25	30													
Ala	Leu	Asp	Gly	Lys	Met	Glu	Thr	Ser	Asp	Val	Ile	Val	Ser	Val	Asn
35	40	45													
Asp	Thr	Cys	Val	Leu	Gly	His	Thr	His	Ala	Gln	Val	Val	Lys	Ile	Phe
50	55	60													
Gln	Ser	Ile	Pro	Ile	Gly	Ala	Ser								
65	70														

<210> 327  
<211> 72  
<212> PRT  
<213> Homo sapiens

1	5	10	15												
Arg	Lys	Ser	Ser	Arg	Gly	Phe	Gly	Phe	Thr	Val	Val	Gly	Gly	Asp	Glu
20	25	30													
Ala	Leu	Asp	Gly	Lys	Met	Glu	Thr	Gly	Asp	Val	Ile	Val	Ser	Val	Lys
35	40	45													
Asp	Thr	Cys	Val	Leu	Gly	His	Thr	His	Ala	Gln	Val	Val	Lys	Ile	Phe
50	55	60													
Gln	Ser	Ile	Pro	Ile	Gly	Ala	Ser								
65	70														

<210> 328  
<211> 72  
<212> PRT  
<213> Homo sapiens

1	5	10	15												
Arg	Lys	Ser	Ser	Arg	Gly	Phe	Gly	Phe	Thr	Val	Val	Gly	Gly	Asp	Glu
20	25	30													
Ala	Leu	Asp	Gly	Lys	Met	Glu	Thr	Gly	Asp	Val	Ile	Val	Ser	Val	Asn
35	40	45													
Asp	Thr	Cys	Val	Leu	Phe	His	Thr	His	Ala	Gln	Val	Val	Lys	Ile	Phe
50	55	60													
Gln	Ser	Ile	Pro	Ile	Gly	Ala	Ser								
65	70														

<210> 329  
<211> 72  
<212> PRT  
<213> Homo sapiens

1	5	10	15												
Arg	Lys	Ser	Ser	Arg	Gly	Phe	Gly	Phe	Thr	Val	Val	Gly	Gly	Asp	Glu
20	25	30													
Ala	Leu	Asp	Gly	Lys	Met	Glu	Thr	Gly	Asp	Val	Ile	Val	Ser	Val	Asn
35	40	45													
Asp	Thr	Cys	Val	Leu	Gly	His	Thr	His	Ala	Gln	Asn	Val	Lys	Ile	Phe

50	55	60
Gln Ser Ile Pro Ile Gly Ala Ser		
65	70	
<210> 330		
<211> 72		
<212> PRT		
<213> Homo sapiens		
<400> 330		
Arg Lys Ser Ser Arg Gly Phe Gly Phe Thr Val Val Gly Gly Asp Glu		
1	5	10
Pro Asp Glu Phe Leu Gln Ile Lys Ser Leu Val Leu Asp Gly Pro Ala		15
20	25	30
Ala Leu Asp Gly Lys Met Glu Thr Gly Asp Val Ile Val Ser Val Asn		
35	40	45
Asp Thr Cys Val Leu Gly His Thr His Ala Gln Val Val Lys Ile Phe		
50	55	60
Gln Ser Ile Pro Ile Ser Ala Ser		
65	70	